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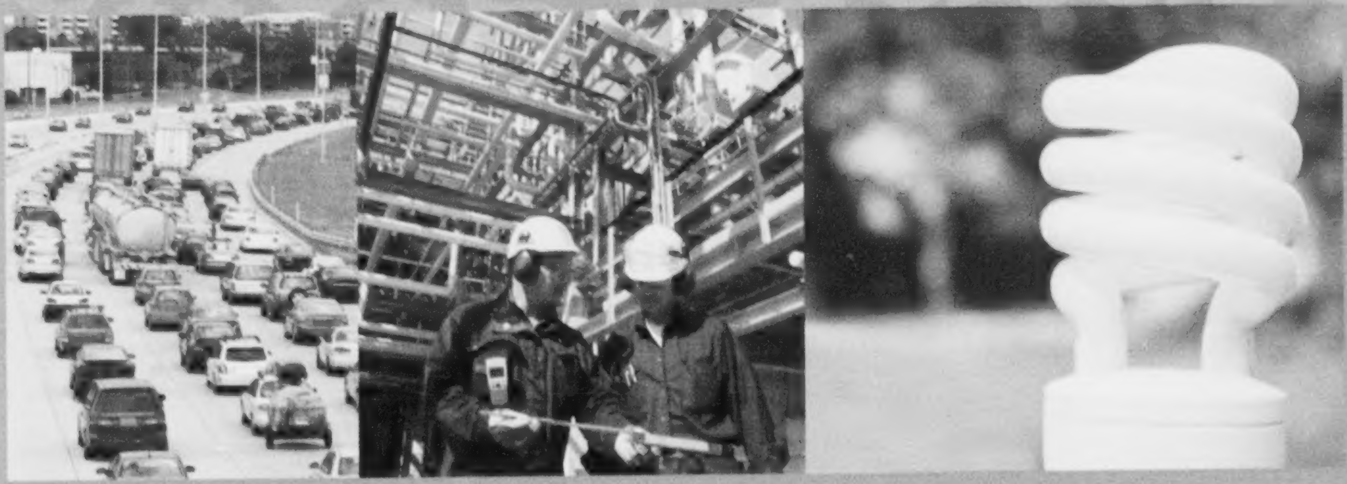
Canada's Energy Future

REFERENCE CASE AND SCENARIOS TO 2030



AN ENERGY MARKET ASSESSMENT NOVEMBER 2007

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* This edition of Canada's Energy Future includes minor revisions and an expanded Appendices. The National Energy Board has issued an Errata for Canada's Energy Future, available on the National Energy Board web site at www.neb-one.gc.ca. Please refer to this Errata for details of significant revisions. The Board apologizes for any inconvenience caused by these changes.

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LIST OF ACRONYMS AND ABBREVIATIONS

ACCA	Accelerated Capital Cost Allowance
ACR	Advanced CANDU reactor
EUB	Alberta Energy and Utilities Board
API	American Petroleum Institute
CANDU	Canadian Deuterium (nuclear reactor)
CANMET	Canada Centre for Mineral and Energy Technology
CAODC	Canadian Association of Oilwell Drilling Contractors
CBIP	Commercial Building Incentive Program
CBM	Coalbed methane
CCS	Carbon dioxide capture and storage
CETC	CANMET Energy Technology Centre
CFL	Compact fluorescent light bulb
CHP	Combined heat and power
CNG	Compressed natural gas
CO	Carbon monoxide
CO_2	Carbon dioxide
CSS	Cyclic steam stimulation
CVT	Continuously variable transmission
DSM	Demand-side management
EGH	EnerGuide for Houses
EMA	Energy Market Assessment
GDP	Gross Domestic Product
GeoPOS	GeoPower in the Oil Sands
GHG	Greenhouse gas
GSC	Geological Survey of Canada
H_2	Hydrogen gas
ICE	Internal combustion engine
IEA	International Energy Agency
IEEP	Incremental Ethane Extraction Policy
IGCC	Integrated Gasification Combined Cycle
IOR	Improved Oil Recovery
IPCC	Intergovernmental Panel on Climate Change

LEED®	Leadership in Energy and Environmental Design
LNG	Liquefied natural gas
MNECB	Model National Energy Code for Buildings
MSAR	Multiphase Superfine Atomized Residue
NAFTA	North American Free Trade Agreement
NEB	National Energy Board
NGL	Natural gas liquid
NIT	Nova Inventory Transfer
NOx	Nitrogen oxides
NRCan	Natural Resources Canada
NYMEX	New York Mercantile Exchange
OECD	Organization for Economic Cooperation and Development
OPEC	Organization of the Petroleum Exporting Countries
PHEV	Plug-in hybrid vehicle
PM	Particulate matter
R, D & D	Research, development and demonstration
RFO	Residual fuel oil
SAGD	Steam assisted gravity drainage
SO_x	Sulphur oxides
StatCan	Statistics Canada
SUV	Sport Utility Vehicle
THAI™	Toe-to-heel air injection
UPS	Uninterruptible power supply
U.S.	United States
VAPEX	Vapourized extraction
VKT	Vehicle kilometres traveled
VOCs	Volatile organic compounds
WCS	Western Canadian Select
WCSB	Western Canada Sedimentary Basin
WTI	West Texas Intermediate

LIST OF UNITS

Units

bbl	barrels
b/d	barrels per day
Bcf	billion cubic feet
Bcf/d	billion cubic feet per day
GJ	gigajoule
GW	gigawatt
GW.h	gigawatt hour
kW.h	kilowatt hour
m^3	cubic metre
m^3/d	cubic metres per day
Mb/d	thousand barrels per day
Mcf	thousand cubic feet
Mcf/d	thousand cubic feet per day
MMb/d	million barrels per day
MMBtu	million British thermal units
Mt	megatonne
MW	megawatt
$ or Cdn$	Canadian dollars
US$	U.S. dollars
Tcf	trillion cubic feet
TW.h	terawatt hour

EXECUTIVE SUMMARY

Energy has and always will be extremely important to Canadians. With our northern climate, huge land mass and vast natural resources, we use energy to heat our homes, provide transport, develop our resources and produce goods and services. Energy is essential to our comfort and our economic prosperity.

At the same time, there is growing awareness of the consequences of energy use to our physical environment, the air quality in our cities, our health and the potential impact on the climate of our planet. Finding ways to produce and use energy that minimize the impacts on our environment is one of the key challenges Canadians face in the 21st century.

This report, *Canada's Energy Future*, allows the National Energy Board (NEB or Board) to communicate with Canadians about energy issues. Providing this information is part of the NEB's overall goal that Canadians benefit from efficient energy infrastructure and markets.

Canada's Energy Future highlights the issues Canadians face with respect to energy, as well as brings to light future implications for Canadian energy producers and consumers.

While the report focuses on trends in energy supply and demand, it does not offer specific policy direction as to what programs or actions would be required to meet certain objectives. It is up to us as Canadians, the energy industry and policy-makers to determine the desired outcome and the tools required to get us there. It is our hope that this report will be a positive contribution to the growing discussion many Canadians are having about energy and our environment.

The report examines different possible energy futures that may unfold for Canadians up to the year 2030. This includes a baseline projection, called the Reference Case, which is the Board's view of the most likely outcome up to the year 2015. Three different scenarios, each with its own internally consistent set of assumptions, such as economic growth, action on environmental issues and energy prices, are then used to examine Canada's energy future to 2030:

- **Continuing Trends Scenario:** Trends that are apparent at the beginning of the outlook period are maintained throughout the entire forecast and extend the Reference Case over the long-term.
- **Triple E Scenario:** A balancing of economic, environmental and energy objectives means this scenario has well-functioning energy markets, cooperative international agreements and the most rigorous energy demand management policies of the three scenarios.
- **Fortified Islands Scenario:** Security concerns dominate this scenario with geopolitical unrest, a lack of international cooperation and trust, and protectionist government policies.

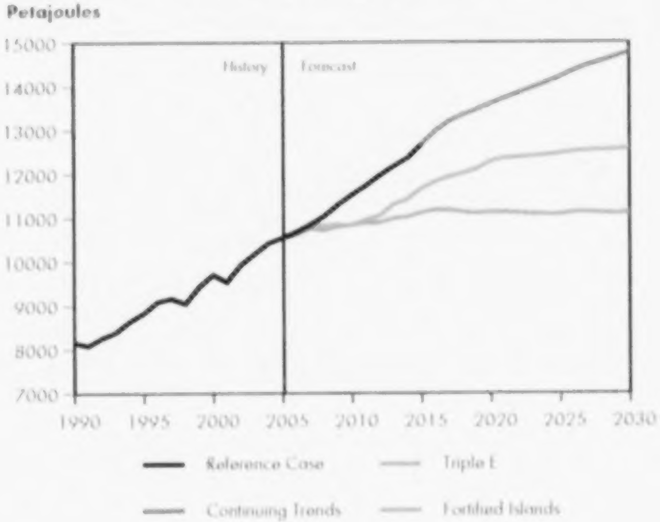
The main findings of this report are as follows:

Energy demand in Canada will continue to grow for the next 30 years.

- Energy demand will remain primarily a function of population and economic growth. With these two factors on the rise, energy demand is growing (Figure ES.1). The way Canadians use energy will change, but slowly. This is because our office buildings, homes and vehicles are not replaced or upgraded on a regular basis to take advantage of the latest energy efficient technologies. Over the long-term, there will be opportunities for Canadians to reduce their energy demand as improvements in energy efficiency and technology take effect.

FIGURE ES.1

Canadian Total Secondary Energy Demand



- Canadians will continue to use automobiles for personal transportation. Although these vehicles are becoming more energy efficient, they will still rely primarily on fossil fuels.
- Energy efficiency across the economy will continue to improve. The rate of improvement will depend on government policies and Canadians' commitment to managing the growth in energy demand.
- There will be a continued demand for natural gas including the need for gas in oil sands processing and electricity generation. However, there is also a move toward gas alternatives including substitution to other forms of energy and improved efficiency. This is especially true in the Triple E Scenario.

Canadians will have enough energy supplies in the forecasted future.

- Fossil fuels will continue to be the dominant source of energy supply for Canadians through to 2030. New emerging technologies and renewable energy resources, such as wind power and small hydro power projects, will be increasingly used.
- Oil sands production will grow in all three scenarios and the production will contribute to increased exports and Canadian economic growth. Large volumes of crude coming from the oil sands will be moved to market and will require appropriate infrastructure to do so.
- Natural gas production from the Western Canada Sedimentary Basin (WCSB) will decline. In fact, in two of the three scenarios, total natural gas production declines. However, there are opportunities for development of gas reserves in northern and offshore regions.

- Imports of liquefied natural gas (LNG) will increase in both the Continuing Trends and Triple E Scenarios. In the Triple E Scenario, LNG imports will account for half of Canada's gas needs by 2030.

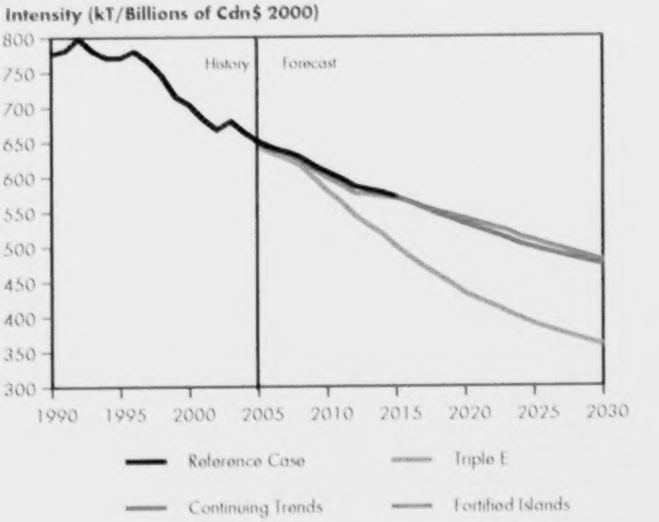
Controlling greenhouse gas (GHG) emissions will be challenging.

- In the three scenarios studied, GHG emissions increase or decline slightly. In the Continuing Trends and Fortified Islands Scenarios, GHG emissions increase as a result of continued economic and energy demand growth. Under the Triple E Scenario, GHG emissions decline modestly as a result of energy demand management programs. Further changes by Canadians in lifestyle choices and more ambitious energy reduction programs, will be required to achieve additional reductions in GHG emissions.

- In order to achieve the Canadian government's target of a 20 percent reduction in GHG emissions by 2020, the full spectrum of GHG reduction strategies will need to be considered. Elements of solution, amongst others, will be found in agriculture and forestry carbon sinks and international emissions trading. This report, being focused on energy in Canada, did not seek to analyze these broader strategies.

FIGURE ES.2

Canadian GHG Emissions Intensity



GHG emission intensity is declining.

- Overall GHG emission intensity in Canada is declining. This means fewer GHG emissions to produce the same amount of goods and services (Figure ES.2). The future rate of decline differs depending on the policies and programs that are adopted.

Getting key buildings blocks in place will help to meet future challenges and take advantage of opportunities in the energy sector.

- Technology can offer solutions to many challenges that we face today. The type of technology choice will depend on the scenario that will unfold in the future. Seizing technology opportunities requires a combination of market mechanisms and incentives.

- The markets will continue to work well, balancing energy demand and supply. However, a 'smart' policy is needed to help optimize the multiple objectives of economic growth, environmental sustainability, and responsible development of the energy sector. A proactive approach will be important due to the wide regional differences with respect to energy and emissions, evolving energy supply systems, and a changing global environment.

- Major investments are needed in the near future to develop new sources of energy and meet the growth in energy demand as well as replace the ageing infrastructure. With our abundant supply of energy, including northern and offshore resources and wind power, infrastructure is needed to bring it to market. There will also be a need for increased infrastructure between provinces for electricity generation. The infrastructure investments will require public engagement, buy-in and acceptance for these initiatives.
- Appropriate and adequate analysis of energy issues will continue to guide decision making. Such analysis is prefaced on high quality data.

Conclusion

The debate in Canada over the future of Canada's energy resources and our environment is growing. As Canadians plan for the future, they will face many decisions about what kind of a lifestyle they want to live and how that lifestyle reflects the broader issues impacting Canada's economy and environment.

A long-term energy vision and strategy for Canada is needed to balance multiple objectives. This plan must be well integrated at the regional level, consider environmental issues and economic growth, and be developed with input from Canadians. Only then will we be able to overcome the challenges ahead and take advantage of the opportunities available.

The NEB plans to contribute to this debate by continuing to pursue our vision of being an active, effective and knowledgeable partner engaging Canadians in the discussion of Canada's energy future.

ANALYTICAL OVERVIEW

This section provides an overview of the quantitative results contained within the report. A more detailed exploration of these results is discussed in subsequent chapters. As well, detailed provincial data tables can be found in the appendices.

Energy issues have an important influence on the lives of Canadians and have become more important in recent years. Rapidly increasing energy prices have given rise to concerns about whether or not energy supply will remain available in sufficient quantities and at reasonable prices. These energy security concerns are underpinned by international geopolitical tensions and conflicts, the apparent peaking of conventional resources in some parts of the world, and a rapid increase in global energy demand due to the pace of growth in developing countries. Furthermore, as evidence of the environmental impacts of energy production and use mount, Canadians are also paying greater attention to the sustainability of the energy system.

In response to these issues, the National Energy Board (NEB or the Board) has developed the latest in its series of long-term energy demand and supply outlooks. *Canada's Energy Future* depicts the analytical results of four different energy demand and supply cases representing the period 2005 to 2030. The report presents possible energy futures only and does not predict outcomes of regulatory decisions by the Board. The Board presents these cases to enable Canadians to discuss Canada's energy future.

Overview of Reference Case and Scenarios

Reference Case (2005-2015)

The Reference Case is a medium-term outlook for the time period 2005 to 2015. The Reference Case is the NEB's view of the most likely development of energy demand and supply over the immediate decade, assuming current energy market trends, the macroeconomic outlook, assumed energy prices and the existing suite of government programs. Overall energy production, consumption, and greenhouse gas (GHG) emissions continue to grow.

Long-Term Scenarios (2005-2030)

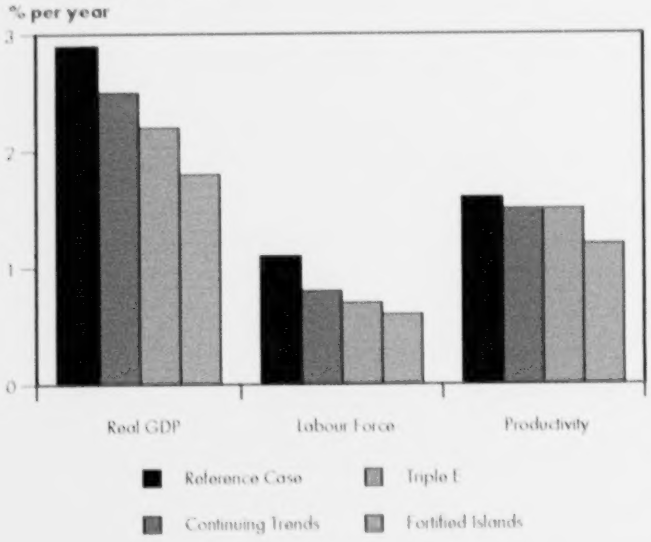
The other three cases are alternative long-term scenarios, which endeavour to capture a broader range of energy system outcomes. The analysis for these three cases covers the period from 2005 to 2030. Long lead times for project development and stock turnover imply that for differences in outcomes to occur by 2030, key decisions need to be taken early. Therefore, the scenario analysis begins in 2005 and overlaps the Reference Case period. The three scenarios are:

- ***Continuing Trends, which is characterized by the maintenance of significant trends apparent at the beginning of the outlook period through the forecast period.*** This scenario is one of little change. In Continuing Trends, Canada experiences the most rapid economic growth and moderate oil and gas prices. As a result, energy demand, energy production and GHG emissions growth continue to be high.

- ***Triple E is characterized by well-functioning global energy markets, cooperative international agreements and effective environmental policies.*** The scenario seeks a balance of economic, environmental, and energy (Triple E) objectives. This scenario is the mid-case for Canadian economic growth, has the lowest oil and gas commodity prices, and includes numerous energy demand management programs and policies. Consequently, energy demand growth flattens. This is the lowest energy production scenario and GHG emissions decline.
- ***Fortified Islands is the scenario wherein national energy security concerns are emphasized.*** Geopolitical unrest, a lack of international cooperation and trust, and protectionist government policies characterize this scenario. Fortified Islands reflects the lowest Canadian economic growth and the highest oil and gas prices. This combination of factors ensures that this scenario has lower energy demand growth and lower GHG emissions growth than the Continuing Trends Scenario. It also results in the strongest domestic oil and gas production scenario.

FIGURE AO.1

Annual Average Growth Rate of Real GDP, Labour Force and Productivity – Reference Case 2004-2015 and Scenarios 2004-2030



Each of the scenarios provides value by exploring a plausible future. It is unlikely that any one of these scenarios would come true in its entirety. Canadians will probably see a future that contains elements of all the different scenarios.

Overview of Key Assumptions and Quantitative Results

Assumptions

Macroeconomic

Macroeconomic projections are a key driver in the report on Canada's Energy Future. Macroeconomic variables including economic growth, gross output, and personal disposable income are used to develop the supply and demand outlooks. The structure of the Canadian economy (i.e., goods production versus service sector) and the regional distribution of gross domestic product (GDP) will influence demand trends.

In the Reference Case, real GDP growth is 2.9 percent from 2004 to 2015[1] and ranges from 1.8 percent to 2.5 percent from 2004 to 2030 across the three scenarios (Figure AO.1). Long-term economic growth is dependent on labour force and productivity assumptions. The higher the labour force or productivity improvements, the higher the economic growth, with all other factors held constant. In addition, the macroeconomic forecasts are also strongly influenced by scenario storylines.

---

[1] The growth rate is the average annual growth rate with 2004 as the base year.

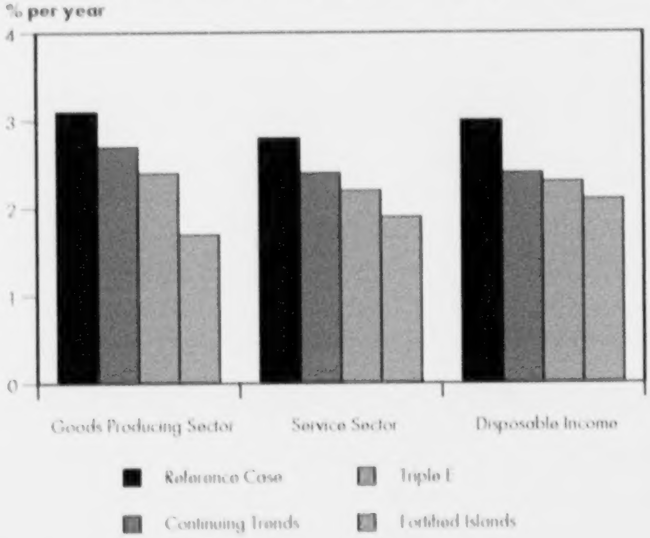
A common thread across the three scenarios is a notable deceleration of growth in the labour force, which intensifies over the long-term. This outcome is driven by demographic factors, such as an ageing population and lower birth rates. This results in slower average economic growth projections over all three scenarios than has been experienced in the recent past. Labour force growth varies between 0.6 percent and 1.1 percent over the Reference Case and scenarios (Figure AO.1). Altering levels of immigration across scenarios provide variations in the demography, but does not reverse overall trends. Productivity assumptions range between 1.2 percent and 1.6 percent. Productivity growth in the scenarios matches, or is modestly close to, growth in the recent past.

All factors considered, the Reference Case projects continued strong economic growth. This is maintained into Continuing Trends which reflects the highest economic growth of the three scenarios. Fortified Islands is the low economic growth scenario and Triple E falls in the middle. In 2030, the Triple E economy is 7 percent smaller and Fortified Islands is 10 percent smaller than the Continuing Trends economy.

Economic growth is linked to energy consumption. This is particularly evident in energy-intensive industries within the goods producing sector. In Continuing Trends and Triple E, the goods producing sector maintains its current share of GDP. Slower export demand for manufactured goods and marginally higher exchange rates in Fortified Islands lowers the goods producing share while the service sector share grows slightly.

FIGURE AO.2

Annual Average Growth Rate of Goods Producing Sector, Service Sector and Personal Disposable Income – Reference Case 2004-2015 and Scenarios 2004-2030



Personal disposable income growth also influences energy demand trends, particularly in the residential sector and in personal transportation. Across the Reference Case and the scenarios, there is a range of personal disposable income growth rates that reflect the overall health of the respective economies (Figure AO.2).

Some scenarios result in changes in the relative share of regional GDPs (Figure AO.3). In Continuing Trends, the share of regional GDP changes little from current shares. In Triple E, the shift in economic growth favouring central Canada is a result of relatively strong growth of manufacturing stemming from strong export demand. The opposite effect occurs in Fortified Islands where slow manufacturing export demand and high oil and gas prices hinder the manufacturing regions, but produce a boom in the oil and gas producing regions.

FIGURE AO.3

Regional Composition of GDP, 2004 and 2030

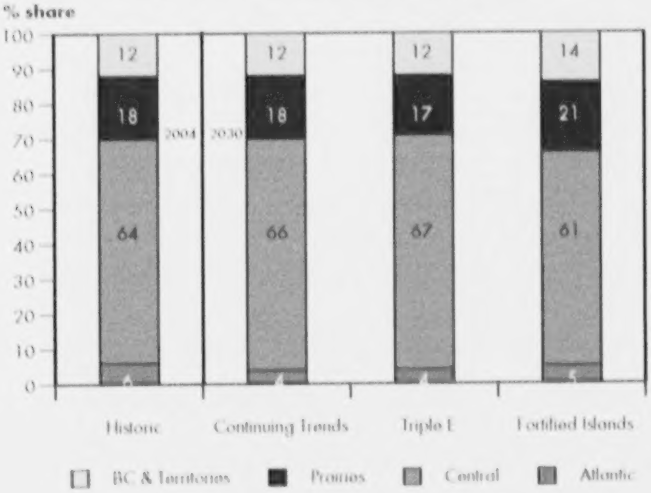
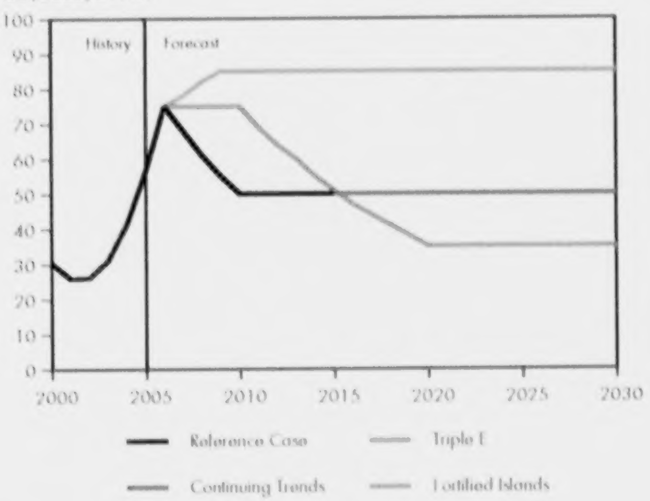


FIGURE AO.4

West Texas Intermediate Crude Oil Price at Cushing, Oklahoma



Energy Prices

The wide range of energy prices considered in Canada's Energy Future reflects the uncertainty of future prices (Figure AO.4 and AO.5). The West Texas Intermediate (WTI) crude oil price ranges from US$35.00 to US$85.00/barrel[2]. The Henry Hub price of natural gas ranges from US$5.25 to $11.40/GJ (US$5.50 to $12.00/MMBtu). Natural gas prices typically move in relation to crude oil prices over the long-term, although usually at a slight discount on an energy-equivalent basis, resulting in a natural gas to oil price ratio of around 0.84. Short-term fluctuations in this ratio can be quite wide. To reflect greater sensitivity to the lower carbon content of natural gas, the natural gas to crude oil price ratio increases to 0.94 in the Triple E Scenario.

Quantitative Results

Energy Demand

Secondary Energy Demand

Total secondary (end-use) energy demand in Canada has increased an average of 1.8 percent per year from 1990 to 2004. This is maintained in the Reference Case scenario, with a growth rate of 1.8 percent from 2004 to 2015 (Figure AO.6). Despite the higher oil and gas prices in the outlook period, the expectation is that energy demand will remain robust as income and GDP continue to put upward pressure on demand for energy-related goods and services.

Growth in energy demand ranges from 0.3 percent to 1.4 percent per year across the three scenarios. As Continuing Trends extends the Reference Case out to 2030, the same assumptions apply, continuing the trends of the recent history into the future. As the forecast progresses to 2030, however, there is a slight slowdown in Canadian economic growth, personal disposable income and population, as described in the previous section. As a result, the energy demand growth rate for the Continuing Trends Scenario slows to 1.4 percent per year.

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[2] Prices are reported in US$2005 unless otherwise specified.

Economic growth and personal disposable income growth in Triple E is moderate. While commodity prices are lowest in this case, the assumed carbon dioxide (CO_2) price drives up delivered fuel prices comparable to Continuing Trends. Thus, 'dual' pricing exists in this scenario, with producers facing the lower commodity price (Figure AO.4 and AO.5) and consumers seeing the higher delivered price[3]. Energy efficiency and environment influences are strongest in this case, with numerous government policies and programs assumed. This results in the slowest growth in Triple E, with an average annual growth rate of 0.3 percent per year from 2004 to 2030.

FIGURE AO.5

Natural Gas Price at Henry Hub, Louisiana

US$2005/MMBtu

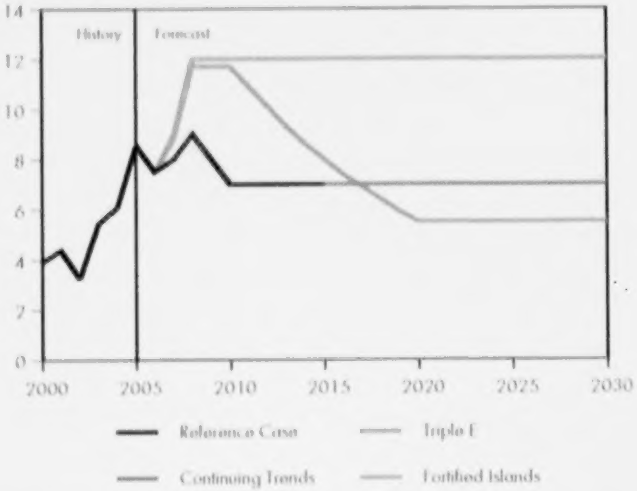
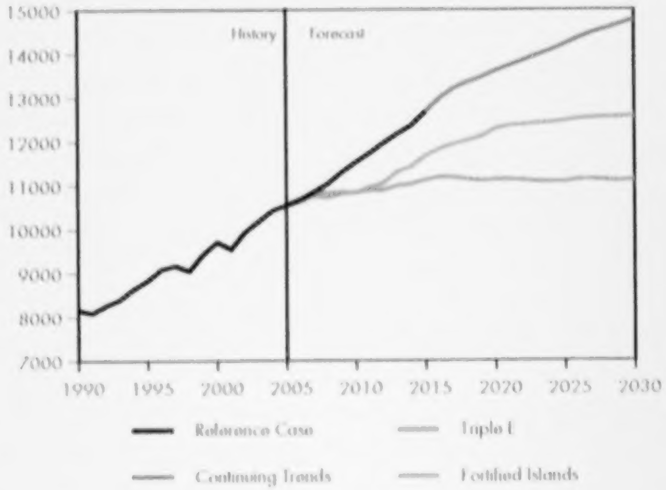


FIGURE AO.6

Canadian Total Secondary Energy Demand

Petajoules



In Fortified Islands, total energy demand grows at 0.7 percent per year. This scenario is characterized by slower economic growth and higher commodity prices. This supports a deceleration in total energy demand compared to Continuing Trends and to historical rates due to the dampening income and price effect.

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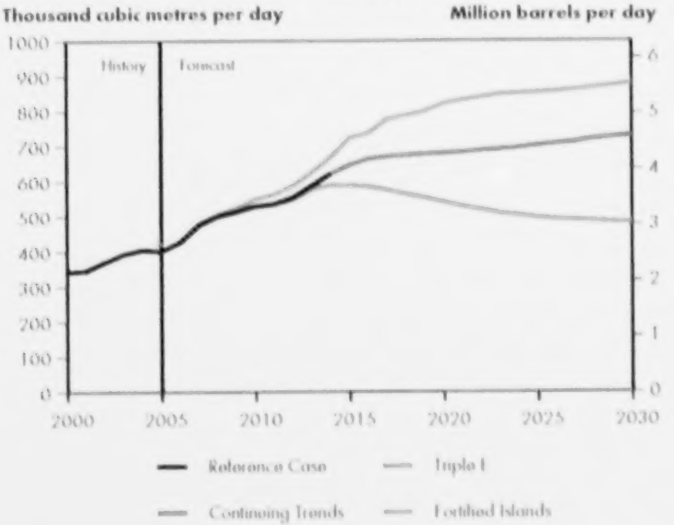
[3] The end-use or delivered price will vary by fuel. Details on end-use prices are contained in the appendices.

FIGURE AO.7

Canadian Crude Oil Production Outlook



Energy Supply

Crude Oil

The crude oil production profiles developed for the Reference Case and the three scenarios result in a range of outcomes (Figure AO.7). All scenarios are characterized by declining conventional oil production in the Western Canada Sedimentary Basin (WCSB), moderate growth followed by rapid decline on the east coast offshore, and the increasingly dominant role of oil sands production.

Both light and heavy conventional crude oil in the WCSB are in a long-term decline. This decline is somewhat softened by the influence of higher oil prices in the Fortified Islands Scenario and by government support for CO_2-based improved oil recovery (IOR)[4] in the Triple E Scenario. The lower price in Triple E discourages development on marginal plays. Noticeable areas of impact include east coast offshore and oil sands. As a result, output declines in the latter half of the analysis timeframe. Conversely, high oil prices in Fortified Islands encourage development resulting in significant additional production.

All scenarios reflect an increasing share of oil sands production. The mid-range oil price in the Reference Case and Continuing Trends Scenario is sufficient to support relatively high levels of oil sands development. The cost pressures currently experienced by oil sands developers are expected to moderate over time. Oil sands production growth is based on the assumption that there will be timely development of additional markets and pipeline capacity, as well as the sourcing of adequate supplies of condensate or other diluent for use as a blending agent for heavy oil. It is also assumed that industry can economically adopt future environmental obligations. To the extent that these assumptions are not realized, the projected levels of oil sands production may not be achieved.

As a result of declining volumes of light conventional crude and increasing oil sands output, the composition of the feedstock supply available to refineries is changing; therefore, refinery modifications will be required to process these new crude oil types. Refinery investments are highly capital-intensive and investment requires market certainty. The scenarios not only shape production volumes, but influence decisions on downstream processing and upgrading options. Although it is assumed there is always a market for all oil production, the share, or composition, of domestic product varies by scenario.

Total crude oil exports increase or remain at the current levels (Figure AO.8 and AO.9). Continuing Trends shows minor increases in domestic demand for light crude oil and some displacement of conventional light crude oil in the feedstock slate to synthetic crude oil. The Triple E Scenario shows a marginal decline in exports in the latter portion of the outlook period compared to the beginning of the outlook as a result of a slowing supply forecast. In Fortified Islands, the highest volume of exports is forecast with the possibility of Quebec refineries obtaining access to western Canadian crude oil. Overall, both light and heavy crude oil exports decline in the Triple E Scenario. In Fortified Islands, there is the highest growth in the three scenarios for both light and heavy crude oil exports. In the Continuing Trends Scenario, there is little change in the light crude oil exports over the forecast period and moderate growth in heavy oil exports. Overall, light crude oil exports exceed heavy oil exports in all scenarios.

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[4] Increased oil recovery (IOR) is also referred to as enhanced oil recovery (EOR).

FIGURE AO.8

Canadian Light Crude Oil Exports

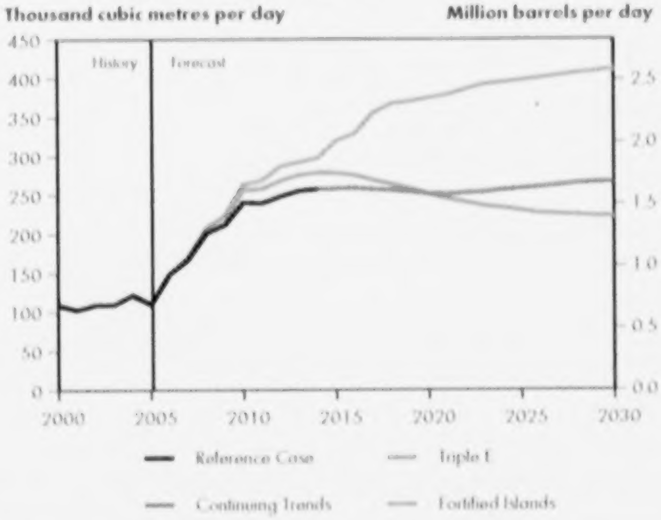
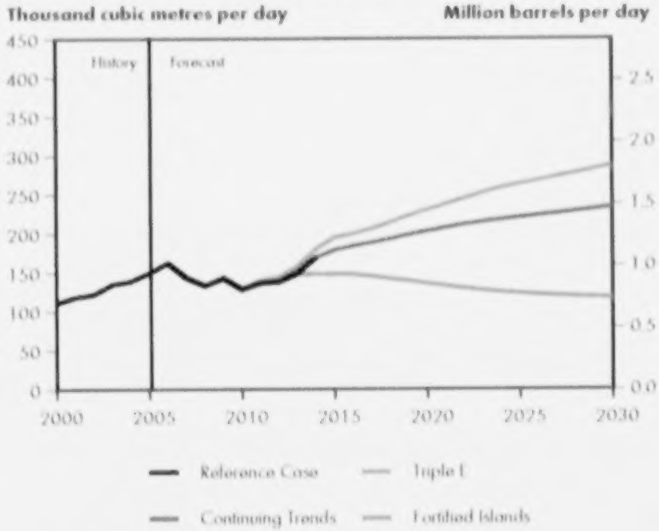


FIGURE AO.9

Canadian Heavy Crude Oil Exports



Natural Gas

The mid-range price in the Reference Case and Continuing Trends Scenario leads to gradual declines in Canadian natural gas production, while the high prices in Fortified Islands cause production to rise significantly (Figure AO.10). An influx of imported liquified natural gas (LNG) in the Triple E Scenario maintains low prices, and ends up as the source for just over half of Canadian natural gas requirements by 2030. Liquefied natural gas imports are more modest in Continuing Trends and unavailable for much of the Fortified Islands Scenario.

Canadian natural gas demand also varies widely. Together, the demand and supply trends lead to a wide range of natural gas exports (Figure AO.11). Continuing Trends maintains similar growth in demand to recent years based on the strength of gas use for oil sands and electricity generation. The Continuing Trends outlook of increasing demand and gradually declining production reduces the net

FIGURE AO.10

Canadian Natural Gas Production Outlook

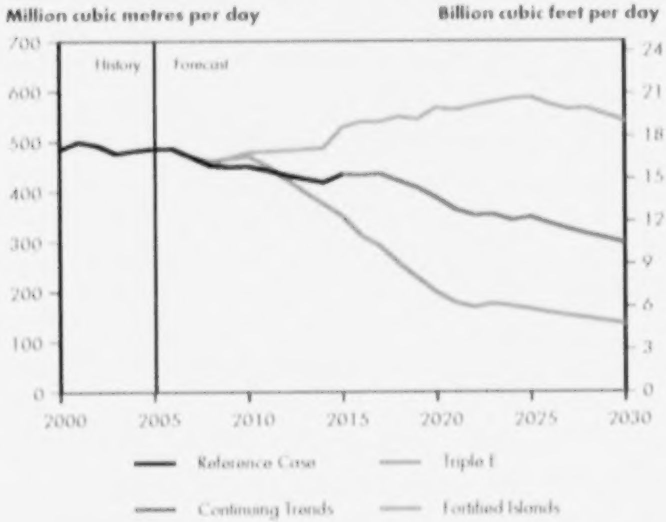
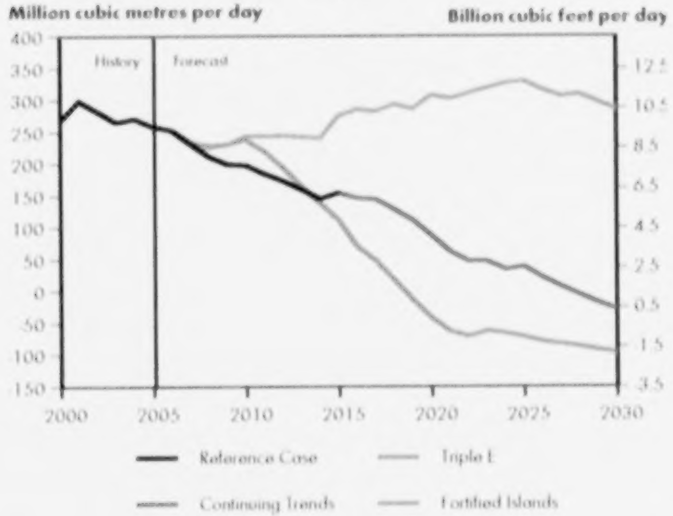


FIGURE AO.11

Canadian Natural Gas Net Exports



exports to zero by 2028, as more LNG enters Canada than conventional natural gas exported. In the later years of the outlook, Canada becomes a net gas importer, reliant on LNG imports[5].

Total Canadian gas demand growth is lower in Triple E and Fortified Islands. In Triple E this is due to increased efficiency and lower demand for gas from oil sands projects; in Fortified Islands it is a result of higher energy prices and slower economic growth. In the Fortified Islands Scenario, the amount of potential net exports erodes slightly until 2015. At this point, frontier gas production comes on-stream and enables new records to be established for net annual natural gas exports.

Natural Gas Liquids

Projections of natural gas liquid (NGL) gas plant supplies are based on projections of natural gas production. These may be further augmented by liquids extracted from Mackenzie Delta gas, oil sands off-gas, as well as enhanced deep-cut expansion at Alberta straddle plants. Alaskan gas may begin to be imported into or transit Canada at some time before 2030. Depending on the configuration and contractual arrangements, natural gas liquids contained in an Alaska gas stream may potentially be extracted within Canada to supplement domestic supplies. An alternative concept might see Alaskan gas shipped as LNG and bypass Canada. As the timing, scale and configuration of a potential Alaskan gas project are highly uncertain at this point, Alaskan gas volumes have not been included in the projections.

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[5] It should be noted that net gas exports is the amount of Canadian gas production in excess of Canadian natural gas consumption. Actual gas flows across Canada's international borders will exceed this value by any amounts of gas that are imported for consumption in Canada or that are imported for re-export.

Long-term ethane supply becomes less reliable in the forecast. By the end of the outlook period in both the Continuing Trends and Triple E Scenarios, ethane demand exceeds supply. This is a direct result of gas production decreases due to lower prices and continued growth in demand from the Alberta petrochemical sector. In Fortified Islands, ethane supply exceeds demand in the longer term owing to significant increments of supply from oil sands off-gas, straddle plant expansions and Mackenzie Delta gas.

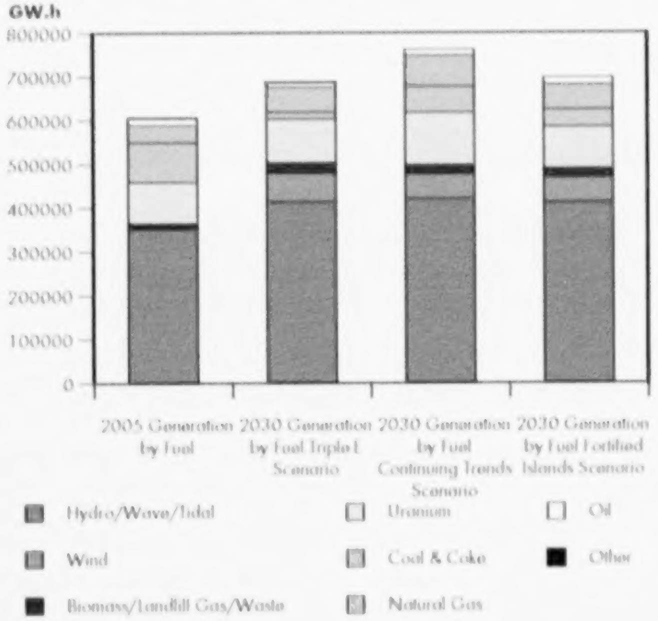
Excess volumes of propane and butane are available for export throughout the projection period under all scenarios. However, under the Tripe E Scenario, the propane and butane supply and demand balance becomes tight near the end of the outlook period as lower commodity prices cause natural gas production to decrease.

Electricity

Significant changes are expected in the electricity supply sector, with many of them resulting from recent decisions on electricity generation and transmission (Figure AO.12). While conventional generation continues to provide the majority of energy in all scenarios, the emerging technologies begin to have a noticeable impact on the generation mix across Canada. In Ontario, existing coal plants are retired by 2015, replaced by a mixture of gas, nuclear, wind and other emerging technologies. Nuclear generation sees a renaissance in all three scenarios, as five new nuclear plants are constructed to replace retiring coal units and older nuclear plants. Emerging technologies are also used for coal-fired generation, with Integrated Gasification Combined Cycle (IGCC) becoming available after 2015. All scenarios assume an expanded use of bitumen for cogeneration in the Alberta oil sands. Since the amount of cogeneration is linked to oil sands production, cogeneration is highest in the Fortified Islands Scenario and lowest in Triple E.

FIGURE AO.12

Electric Generation by Fuel and Scenario



High natural gas prices and concerns about security of supply favours coal-fired generation in the Fortified Islands Scenario, while lower natural gas prices and concern about emissions favour natural gas generation in the Triple E Scenario. The Triple E Scenario also favours the development of alternative sources of energy, with more wind and biomass than the other scenarios as well as pilot projects for wave and tidal power. This scenario also includes IGCC power plants with CO_2 capture and storage (CCS) technology in Alberta and Saskatchewan after 2019.

Interprovincial exchanges of energy and exports to the United States increase in most scenarios. With demand peaking and then beginning to decline, exports and interprovincial trade increases dramatically in the Fortified Islands and Triple E Scenarios, although the drivers are dissimilar. In Fortified Islands, wind and hydro power are seen as safe and secure from high fossil fuel prices. In Triple E, the advantage of wind and hydro power stems from their being a GHG-neutral form of generation. Higher demand in Continuing Trends is met primarily with increased hydro generation. A general tightening in domestic supply reduces opportunities for export in this scenario.

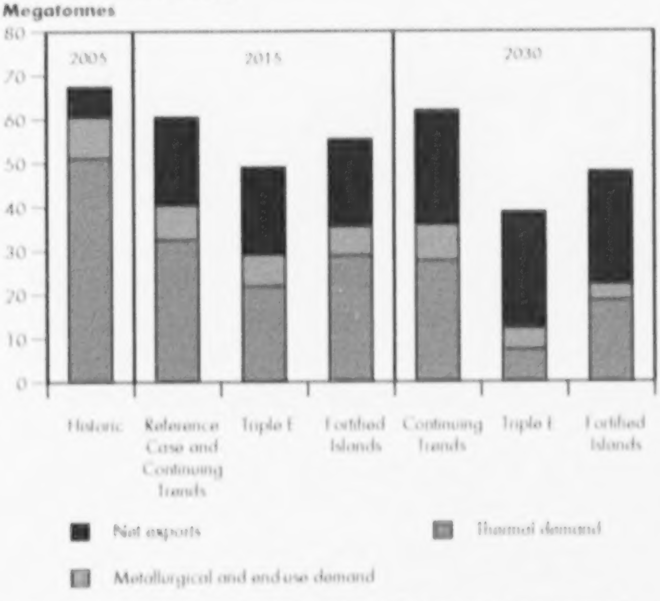
New transmission is required in all scenarios – within provinces to support new generation, between provinces to enable increased interprovincial interchange, and, between Canada and the United States to enable increased exports. In all scenarios, some new construction is included as existing plants reach the end of their 40-year economic life. Large hydro developments in Newfoundland and Labrador, Quebec, Manitoba and British Columbia may arise, requiring substantial and unprecedented additions to transmission systems.

Coal

Overall, Canadian coal demand decreases and net exports increase resulting in a decline in Canadian production across all three scenarios (Figure AO.13). Both total production and demand is highest in the Continuing Trends Scenario. In Triple E, thermal demand is lower and utilizes IGCC and CO_2 capture and storage. Low economic growth and high prices lead to lower thermal demand in Fortified Islands. The closure of Ontario's coal-fired plants is a key influence on the short- and long-term imports of thermal coal, while exports of metallurgical coal are expected to grow with the expansion in the international iron and steel industry. The potential for IGCC and CCS, and the success of other new coal technologies to address environmental concerns, depends on cost and acceptability relative to generation alternatives. Net exports remain positive and increase in all scenarios.

FIGURE AO.13

Canadian Coal Production and Disposition, 2005, 2015 and 2030



(The sum of Canadian thermal, metallurgical, and end-use coal demand as well as exports is equal to Canadian production)

Greenhouse Gas Emissions[6]

To a large extent, GHG emissions are an outcome of energy demand trends, therefore, GHG emissions increase with growing demand. Growth in GHG emissions ranges between -0.1 to 1.5 percent per year (Figure AO.14). Energy demand is rigid in the short to medium term as it is shaped by established industries, devices, services, and habits. In the Reference Case, GHG emissions are expected to increase by 1.5 percent per year. In Continuing Trends, GHG emissions grow at 1.2 percent per year, reflecting the slightly lower economic growth. In the Fortified Islands Scenario, GHG emissions are expected to grow at 0.6 percent per year. The slower growth in this scenario, compared to history, is a direct result of higher energy prices and slower income and economic growth in the Canadian economy, excluding the oil and gas producing sector. In the Triple E Scenario, GHG emissions are expected to decrease by 0.1 percent per year between 2004 and 2030. This decrease is a result of policies directed at balancing energy use, environmental impacts, and economic growth.

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[6] The historic GHG emissions numbers are aligned with Canada's GHG Emission Inventory, which includes both energy and non-energy emissions. In the outlook period, non-energy emissions are grown at the rate of the economy and included in the other category.

GHG emissions intensity across the Reference Case and all scenarios continues to decline implying fewer GHG emissions are released to produce the same amount of goods and services (Figure AO.15).

FIGURE AO.14

Canadian Total GHG Emissions

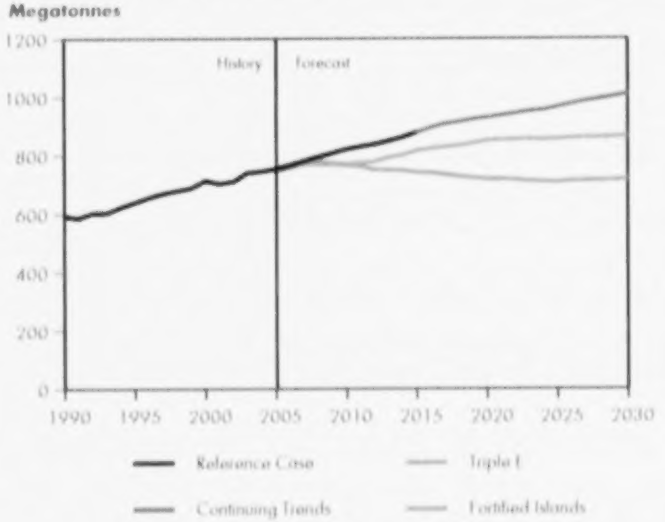
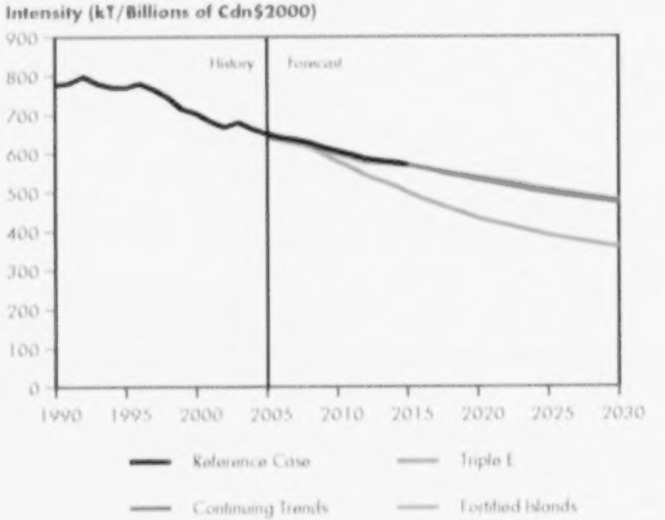


FIGURE AO.15

Canadian GHG Emissions Intensity



Recent federal government announcements have targeted a reduction in Canadian GHG emissions by 20 percent below 2006 levels by the year 2020. There are considerable uncertainties surrounding the means to achieve this reduction. In all scenarios examined, Canada partially achieves the '20 percent by 2020' goal set by the Government. There are numerous paths to GHG emission reductions. These paths will have potentially major impacts on technological choices, configuration of our cities and energy systems, as well as consumer behaviour. Identification of the specific mechanisms that will allow us to achieve this target has proven to be unattainable in the context of this analysis.

This report is an analysis of Canada's possible energy futures. As such, the report focuses strictly on GHG emission reductions from energy-related activities in Canada (e.g., energy efficiency measures, improved energy management systems or investment in CO_2 capture and storage). The analysis does not directly focus on GHG emission reduction strategies. For example, the analysis does not incorporate two potential sources of GHG emissions reductions: (a) non-energy-related emission reductions such as carbon sequestration in agriculture and forestry; and (b) GHG emission reductions from international mechanisms such as access to Kyoto's Clean Development Mechanism, or international CO_2 emissions trading regimes. Consideration of these and others as part of a full spectrum of GHG reduction strategies could go a long way in contributing to Canada meeting its target of 20 percent by 2020.

It is important to note that significant uncertainty exists over how consumers and technology will react to energy demand management and GHG emission programs and policies. At the time of writing, the most up-to-date information was included in the analysis; however, climate policy and technological advancements rapidly evolve. More rapid progression of technology than assumed in this report, or a higher willingness of consumers and industry to make significant lifestyle and production changes, would result in a more ambitious GHG emission reduction profile than reflected in the current analysis.

Our conclusions on GHGs demonstrate clearly that for Canada to achieve its 2020 goals, important and fundamental changes in the way we live and in the way we produce goods and services need to take place. Ultimately the path pursued will be the subject of major societal and political debates over the next few years in order to balance priorities on economic, environment and energy issues.

Conclusions

Canada's Energy Future highlights the many challenges and opportunities facing both the energy sector and individual Canadians, both today and in the future. The scenarios considered explore a wide range of potential energy market outcomes. A high level overview of the key assumptions and quantitative results is captured in Table AO.1.

TABLE AO.1

Summary of Key Assumptions and Quantitative Results

	Real GDP	Energy Prices	Energy Demand	Oil & Gas Production	GHG Emissions
Reference Case (2004-2015)	2.9%	Oil: $50/bbl Gas: $7/MMBtu	1.8%	Oil: 4.4% Gas: 0.9%	1.5%
Continuing Trends	2.5%	Oil: $50/bbl Gas: $7/MMBtu	1.4%	Oil: 2.3% Gas: -1.8%	1.2%
Triple E	2.2%	Oil: $35/bbl Gas: $5.50/MMBtu	0.3%	Oil: 0.7% Gas: -4.8%	0.1%
Fortified Islands	1.8%	Oil: $85/bbl Gas: $12/MMBtu	0.7%	Oil: 3.0 Gas: 0.4%	0.6%

(Annual Average Growth Rate from 2004 to 2030 [% per year] unless otherwise specified)

Key insights garnered from the analysis can be summarized under five major themes.

1. *Energy Markets and Resources*

Canadian energy markets are expected to function well with energy prices acting to ensure there is sufficient energy supply to meet energy demand. Prices in the long-term are expected to be higher than those experienced historically. Overall, it appears that North American and global economies are adjusting to higher prices recently experienced.

Availability of energy resources in the future is not expected to be an issue. The type and mix of energy resources will be determined by the level of energy prices. Overall, Canadian energy supply and the fuel mix is quite price-responsive, creating a broad range of outcomes in response to alternative price trajectories and the socioeconomic environment modeled in the three scenarios.

2. *Energy Supply, Demand and Exports*

Fossil fuel energy continues to be the dominant source of supply, although non-conventional and non-fossil fuel supplies begin to play a larger role. Continued fuel diversity is expected to be part of the energy balance in Canada. All scenarios depict a fuel mix that is mostly conventional at the base, but varies in terms of additions from emerging and alternative technologies and fuels.

The mix of electric power generation will see significant changes as the use of wind power, nuclear power and clean coal technologies are all expected to grow.

While energy supply is quite price-responsive, energy demand is not. Demand continues to be inelastic in the short term due to the long life of the existing stock of buildings, vehicles and urban design of Canadian cities. However, in the long-term, there is opportunity for demand reductions in response to targeted policies and programs, including improvements in energy efficiency.

Total Canadian net energy exports are expected to increase in the future. However, growth varies by commodity and scenario. Oil and electricity exports increase in all scenarios, while natural gas net exports increase only in Fortified Islands. The increase in oil exports is a direct result of growing oil sands production in all scenarios. These changes will have implications for supply infrastructure.

3. *Energy Interactions with the Economy and Environment*

The state of the economy continues to be an important driver for the energy system, and alternative macroeconomic projections in the three scenarios lead to different energy outcomes, especially in energy demand. Macroeconomic growth in all scenarios is lower than observed in recent history, largely due to decelerating population growth and its implications for adequate labour and skill sets. These will need to be compensated by improvements in productivity and/or increased immigration.

Canadians are concerned about climate change. Numerous policies and programs are being developed at the federal and provincial levels to reduce GHG emissions. Addressing climate change in a meaningful way in Canada requires early action and utilization of all the strategies at our disposal. The GHG emissions per unit of energy used declines in all scenarios, but the rate of decline varies based on policies and programs considered.

4. *Building Blocks for Canada's Energy Future*

Technology can offer solutions to many challenges in the energy system. While technology makes incremental inroads into Canada's energy future, the direction, pace, and extent of these changes vary across scenarios. The technology push in Fortified Islands is most evident on the supply side. In Triple E, technology is inextricably tied to efficiency and GHG emission reductions.

'Smart' policy is required to help optimize multiple objectives of economic growth, environmental sustainability, and responsible development of the energy sector. Policy frameworks that extend (within and beyond) provincial borders will need to be constructed to consider wide regional differences with respect to energy and emissions, evolving energy supply systems, and a changing global environment. Canadians have a critical role to play in developing future policy by providing direction in terms of the objectives we would like to see pursued.

Major investments are needed in the next decade to develop new sources of energy and meet the growth in energy demand as well as replace the ageing infrastructure. Over the longer term, the infrastructure requirements and issues are more influenced by circumstances of the scenario, including implications arising from continued diversity of fuel mix. All infrastructure developments will need to take into account broad environmental concerns during construction and operation. New approaches are required to resolve differences between developers and local interests in order to improve the predictability of project completion. In some cases, this may include improving clarity in the regulatory and public engagement processes, while in other cases it may require more use of 'single window' approaches when several jurisdictions are involved.

As the requirement to renew and expand our energy infrastructure increases to meet the growing and diverse needs for energy, greater public engagement and acceptance for these initiatives will be needed. A balance will need to be established between public acceptance and the need for timely decision making. In addition, all stakeholders, including industry and governments, will need to work together to secure that greater acceptance.

High-quality data forms a solid foundation for supply and demand analysis, such as the analysis for Canada's Energy Future. As energy issues become increasingly complex, there emerges a need for enhancements and improvements to existing statistical databases to empower decision-making.

5. *Canada's Energy Future*

The analysis suggests significant change in several elements of the energy system[7]. A long-term energy vision and strategy for Canada is needed to balance multiple objectives. This plan must be well integrated at the regional level, consider environmental issues and economic growth, and be developed with input from Canadians. Only then will we be able to overcome the challenges ahead and take advantage of the opportunities available.

The NEB plans to contribute to this debate by continuing to pursue our vision of being an active, effective and knowledgeable partner engaging Canada in the discussion of Canada's energy future.

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[7] The energy system is defined as how Canadians produce and consume energy.

FOREWORD

The National Energy Board (NEB or the Board) is an independent federal agency that regulates several aspects of Canada's energy industry. Its purpose is to promote safety and security, environmental protection and efficient energy infrastructure and markets in the Canadian public interest within the mandate set by Parliament in the regulation of pipelines, energy development and trade. The main functions of the NEB include regulating the construction and operation of pipelines that cross international or provincial borders, as well as tolls and tariffs. Another key role is to regulate international power lines and designated interprovincial power lines. The NEB also regulates natural gas imports and exports, oil, natural gas liquids, and electricity exports, and some oil and gas exploration on frontier lands, particularly in Canada's North and certain offshore areas.

The NEB collects and analyzes information about Canadian energy markets through regulatory processes and market monitoring. From these efforts, the Board produces publications, statistical reports and speeches that address various market aspects of Canada's energy commodities. The Energy Market Assessment (EMA) reports published by the Board provide analyses of the major energy commodities. Through these EMAs, Canadians are informed about the outlook for energy supplies and demand in order to develop an understanding of the issues underlying energy-related decisions.

This EMA report, titled *Canada's Energy Future*, examines the long-term energy demand and supply possibilities within Canada. The main objectives of this report are to:

- provide unbiased, relevant, comprehensive, expert analysis on energy supply, demand and its economic and environmental implications to serve as a standard of reference for parties interested in Canadian energy issues and trends;
- provide stimulus for discussion with and amongst stakeholders, both during and after the completion of the report on emerging energy issues of national importance; and,
- inform decision makers of key risks and uncertainties facing the energy future and advise them of regulatory and other issues that need to be addressed.

While preparing this report, the NEB conducted a series of formal and informal meetings with energy market experts and other interested parties. The NEB appreciates the information and comments provided and would like to thank all participants for their time and expertise. The NEB would also like to thank the numerous dedicated staff members that contributed directly and indirectly to the completion of this report.

If a party wishes to rely on material from this report in any regulatory proceeding before the NEB, it may submit the material, just as it may submit any public document. Under these circumstances, the submitting party in effect adopts the material and that party could be required to answer questions pertaining to the material.

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CHAPTER ONE

INTRODUCTION

The 2007 Energy Futures Report, *Canada's Energy Future*, is firmly grounded in today's energy realities. It is also a call for the engagement of Canadians in confronting pressing energy issues before us. The challenges ahead include: high and volatile energy prices; continuing geopolitical unrest; decreasing conventional reserves; the need to diversify supply; an ageing and constrained delivery infrastructure; and growing environmental concern. All of these considerations have contributed to the National Energy Board's (NEB or the Board) development of *Canada's Energy Future*.

To better respond to the needs of its varied stakeholders, the Board has adopted a hybrid approach in this report. The hybrid approach is a combination of a near-term outlook and long-term scenarios. It is a progression from the previous report[8], which used two contrasting scenarios: 'Supply Push' and 'Techno-Vert'. The methodological change is in response to stakeholder comments on the previous report, which recommended incorporating a baseline Reference Case and investigating a broader scope of uncertainties and issues in scenarios.

Scenarios – What are they and why are they useful?

A scenario is a self-contained story about how the future could unfold. A scenario is much different than a sensitivity analysis, which investigates how outcomes will change based on changes in key assumptions. In a scenario, all the key assumptions are subject to change. Scenarios help create plausible actions and outcomes based on context. It encourages cause and effect thinking. This, in turn, supports a long-term, coordinated response.

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[8] *Canada's Energy Future: Scenarios for Supply and Demand to 2025*. National Energy Board, 2003. Available at: http://www.neb-one.gc.ca/clf-nsi/rnrgynfmtn/nrgyrprt/spplydmnd/spplydmnd-eng.html.

Canada's Energy Future: The 2007 Approach

Because certainty diminishes over time, the 2007 hybrid approach identifies varied analytical timeframes for the Reference Case and scenarios. The Reference Case, defined as the most likely case, is the most meaningful in the short to medium term. The timeframe for the Reference Case analysis is 2005-2015. The term scenario itself reflects uncertainty. Scenarios are more appropriate in the longer term. The timeframe for scenario analysis in *Canada's Energy Future* is 2005-2030[9].

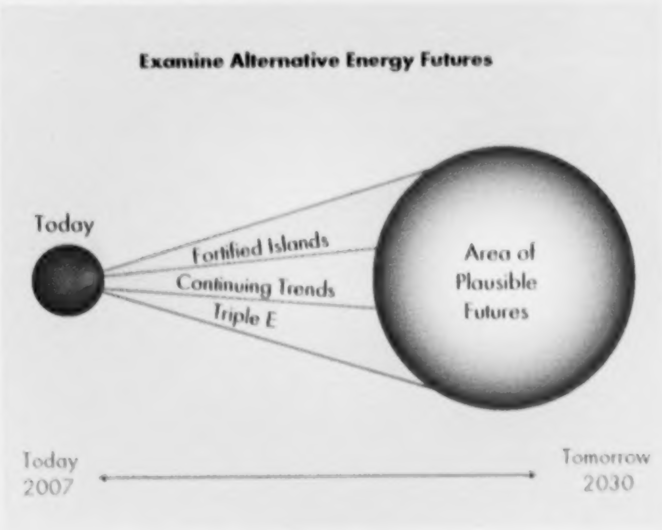
Scenarios Used in this Report

The use of scenarios provides varying perspectives on Canada's energy evolution. Energy scenarios are not forecasts or predictions, but rather plausible outcomes that describe a range of potential futures. There are many scenarios that could represent plausible energy market futures. Three scenarios were chosen to represent three distinct settings for the storylines presented in the 2007 report (Figure 1.1). These three scenarios are designed to:

- encourage discussion and debate on how Canada's energy system might evolve over the next 25 years;
- encourage energy stakeholders to consider possible responses to a given scenario; and,
- enable stakeholders and decision-makers to define the elements of a desirable energy outcome.

FIGURE 1.1

NEB Energy Futures Scenarios



The three scenarios vary according to government policies and programs, geopolitical context, societal values, energy prices, macroeconomic growth rates, and the pace and type of technological developments. However, significant trends and relationships are maintained across all scenarios. Some of the commonalities include a desire for forward progression on environmental issues, continued importance of the Canada-U.S. trading relationship, the role of governments in Canada, increasing global demand for energy using goods and services, and the continued decline of energy supply within Organization for Economic Cooperation and Development (OECD) countries. No individual scenario was considered to be more probable than the others.

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[9] In this report, 2005 is the first forecast year.

The scenarios in this report are:

- ***Continuing Trends***, characterized by the maintenance of significant trends apparent at the beginning of the outlook period through the forecast period. This scenario extends the Reference Case over the long-term.
- ***Triple E***, a scenario characterized by well-functioning energy markets, cooperative international agreements and effective environmental policies. It seeks to balance economic, environmental and energy (Triple E) objectives.
- ***Fortified Islands***, a setting wherein security is at the forefront of public concern. Geopolitical unrest, a lack of international cooperation and trust, and protectionist government policies characterize this scenario.

Many of the drivers used in the 2003 report are still relevant today and therefore, continue to influence the selected scenarios in 2007. The distinguishing factor in this analysis is the strong influence of the global context. Scenarios are characterized by prevailing world views, rather than a distinctly Canadian setting. Energy commodities are traded on international markets and Canada is subject to the same risks and benefits as others. These are incorporated in the analysis through variant price trajectories for energy commodities.

Greater detail on each of the three scenarios is provided in later chapters.

Stakeholder Input

The Board sought the views of Canadian energy experts and interested stakeholders through a series of consultation sessions across Canada in 2006 and early 2007, including representatives from the energy industry, government, environmental non-governmental organizations, and academia. The views collected helped shape the report methodology, assumptions and analysis. Through these consultation sessions, valuable background information was gained[10].

Report Structure

The structure of this report reflects the analytical approach adopted. The 'Energy Context' provides a backdrop to the report, through a brief discussion of issues of importance currently facing the energy sector in Canada. The Reference Case and scenario analyses are detailed under four separate chapters. Each of these chapters contains extensive results for individual energy commodities and related issues, including economic context and environmental implications. Finally, the last chapter summarizes key insights and implications under five major themes. Detailed tables on various energy demand and supply elements for each provincial and territorial jurisdiction are available in the appendices.

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[10] Consultation summaries are available on the NEB website at www.neb-one.gc.ca.

ENERGY CONTEXT

This section provides background on key issues currently impacting Canada's energy system. Energy context includes a discussion on energy prices, global factors, energy and environmental policy, demand response, emerging technologies, infrastructure, energy in the Canadian economy, energy exports, and reserves.

Price of Energy

Recent high energy prices are being driven by exceptional demand growth in developing countries; shortages in materials, equipment, labour, and engineering services; and geopolitical tensions.

Crude oil prices have been on the rise since January 1999, when WTI prices averaged approximately US$12 per barrel. Less than a decade later, crude oil has traded over US$80 per barrel due to record demand for gasoline, coupled with instability in the refining sector and tight supply and demand conditions. Low spare production capacity and geopolitical concerns surrounding the major producing countries of Iraq, Iran, Nigeria and Saudi Arabia also place upward pressure on the price of crude oil.

North American natural gas prices have trended upward under the influence of the significant increase in world crude oil prices and a tight balance between natural gas supply and demand. The price for natural gas at Henry Hub has increased from approximately US$2.25/GJ (or US$2.35/MMBtu) in January 2000 to around US$6.65/GJ (US$7.00/MMBtu) in 2007. Additionally, hurricane-related supply disruptions have resulted in brief price spikes as high as US$13.30/GJ (US$14.00/MMBtu), while a recent string of mild winters have helped to dampen prices from even higher levels. Except for brief periods when natural gas markets are particularly imbalanced (such as hurricane-related supply disruptions, weather extremes, or if approaching upper or lower limits of storage capacity), natural gas prices have tended to move in relation to oil prices. This relationship typically has gas prices in the lower half of a price range bounded at the bottom by residual fuel oil and at the top by distillate (No. 2 fuel oil) on an energy-equivalent basis. These fuel oil grades represent substitutes for natural gas, in particular in power generation and space heating applications.

With massive coal reserves, not only in North America, but also globally, coal prices have historically risen at very modest rates of one to two percent per year. Since 2003 however, the trend has changed dramatically with coal prices rising at double-digit rates annually. The change coincides with China, one of the top coal-producing countries, becoming a net importer rather than net exporter of coal due to rising internal demand. In 2006, China accounted for 70 percent of global growth in coal consumption.

North American electricity prices have also trended upward under the influence of higher fuel costs for coal, oil, uranium and natural gas; costs of meeting tighter emissions standards; and costs to improve the transmission grid to enhance reliability. Electricity prices can vary between regions depending on the mix of fuels for generation, reserve margins and load growth.

Global Context

In recent years, global growth in energy demand has been led by developing countries, most notably China and India. Energy supply has struggled to keep pace with rising demand. Conventional oil and gas producing regions are maturing and, as they become less productive, are requiring increasing levels of activity and technological intervention to maintain or slow declines in output.

Global oil and gas production and consumption are located in different parts of the world (Figure 2.1). Much of the world's resources are concentrated in politically unstable regions. For instance, geopolitical tensions, economic and political nationalism, and local opposition to development have restricted access to new resources in key regions around the world. This translates into security of supply concerns for large-consuming countries.

In 2006, the world consumed 10.8 billion tonnes (79.7 billion barrels) in oil equivalent energy, comprised of 36 percent oil, 24 percent natural gas, 28 percent coal, 6 percent nuclear and 6 percent hydro electric energy (Figure 2.2).

Oil Supply

Currently, Saudi Arabia is the world's top oil producer, producing 1.7 million m^3/d (10.8 million b/d) of oil. The U.S. and Canada rank third and seventh, respectively. Only 15 countries[11] are expected to account for up to 84 percent of the net growth in global oil production capacity in the next ten years. In order of absolute growth in capacity, the top five from the list are Russia, Saudi Arabia, Canada, Iraq and Brazil. The U.S. is by far the world's largest market for oil, making up almost 25 percent of total oil demand (3.27 million m^3/d or 20.6 million b/d). Canada accounts for only 2.5 percent of total world oil demand (353 thousand m^3/d or 2.2 million b/d).

Gas Supply

Almost 60 percent of the world's natural gas reserves are located in Russia, Iran and Qatar. In 2006, Russia remained the world's largest producer of natural gas, accounting for 21 percent, at

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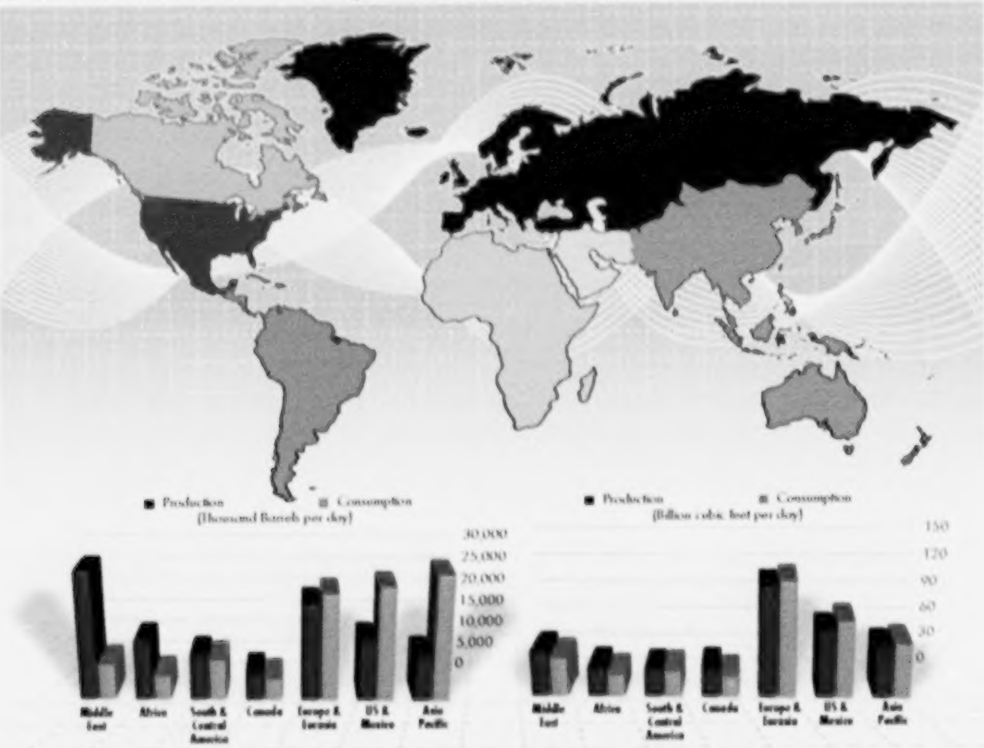
[11] The top 15 are Russia, Saudi Arabia, Canada, Iraq, Brazil, Kazakhstan, Iran, Kuwait, Algeria, Qatar, Libya, Nigeria, UAE, Angola and Azerbaijan.

FIGURE 2.1

Global Production and Consumption of Oil and Gas by Area, 2006

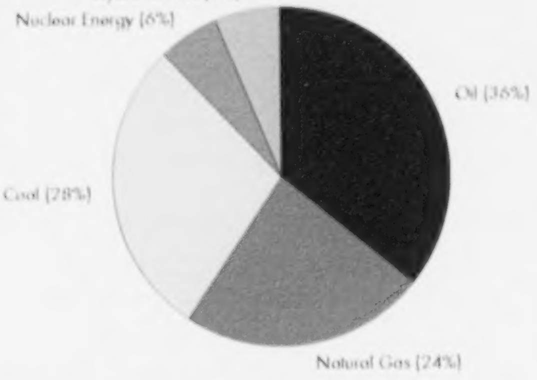

■ Production
■ Consumption
(Thousand Barrels per day)
30,000
25,000
20,000
15,000
10,000
5,000
0
Middle East
Africa
South & Central America
Canada
Europe & Eurasia
US & Mexico
Asia Pacific
■ Production
■ Consumption
(Billion cubic feet per day)
150
120
90
60
30
0
Middle East
Africa
South & Central America
Canada
Europe & Eurasia
US & Mexico
Asia Pacific

Source: BP Statistical Review of World Energy, 2007

1.67 million m^3/d (59.2 Bcf/d) of the total. The U.S. is the second largest producer, but most of the production is consumed domestically. Canada ranks as the third largest producer, responsible for over six percent, but future production is expected to remain flat or decline. Asia is the largest regional market for liquified natural gas (LNG), acquiring 64 percent of total world imports, with Japan importing the bulk of these supplies.

FIGURE 2.2

World Primary Energy Consumption by Fuel Type, 2006



Source: BP Statistical Review of World Energy, 2007

Coal Supply

Unlike oil and gas reserves, coal is widely distributed throughout the world. Coal is also abundantly available. Worldwide, the reserve-to-production ratio for coal is estimated to be 147 years, whereas the reserve-to-production ratio for oil is 40.5 years and natural gas is 63.3 years. Coal is the world's fastest growing fuel in terms of both world consumption and production. The bulk of this fuel is consumed and produced by China. Canada accounts for only one percent of the world's supply and demand for coal.

In 2006, five countries, U.S., China, Russia, Japan and India, accounted for over 50 percent of the world's primary energy demand[12]. Canada accounted for approximately three percent. In 2006, compared to 2000, China and India's collective share increased by almost six percent, while shares in the other countries declined modestly. Many developed countries are attempting to reduce the rate of increase in energy demand. However, consumption in developing countries, such as China, is increasing in order to fuel rapidly expanding economies.

Energy and Environmental Policy Developments

Energy and environmental policy responsibilities within Canada are divided between federal and provincial governments. There has recently been an unprecedented level of activity in this area. With the growing importance of energy issues, the provinces have responded with the release of energy strategies and policy directives. In early 2007, British Columbia released its *Vision for Clean Energy Leadership*, focusing on energy efficiency, electricity self-sufficiency, net zero emissions from thermal generation, renewable portfolio standards, and alternative fuels. Alberta's *Climate Change and Emissions Management Amendment Act* and the *Nine Point Bio-Energy Strategy* focus on emission intensity reductions from large final emitters and expanding the bio-energy industry. Ontario's recent policy initiative released in April 2007 focuses on energy efficiency and electric sector changes. Several other policy directives have been announced previously, highlighting conservation, small-scale alternative energy projects, net metering, and infrastructure financing, all to promote efficiency in the use of energy while reducing emissions. The key elements of Quebec's energy strategy released in 2006 include accelerated development of hydroelectric resources and wind power, energy efficiency for all forms and uses, and innovation. Nova Scotia has also released several policy directives focusing on alternative energy sources, including tidal power and hybrid transit, energy efficiency, and greenhouse gas (GHG) emission reductions.

Between 1990 and 2004, Canada's GHG emissions increased by 26 percent. This increase is a result of a number of factors, including increasing population and economic growth. Growth in energy-intensive sectors of the economy, such as in oil production, have been a major influence on fuel consumption and emissions increases. In addition to energy policy directives, there have also been several climate change[13] action plans released by provinces including British Columbia, Alberta, Manitoba, Quebec, Nova Scotia, Newfoundland and Labrador, and the Northwest Territories.

Canadians are beginning to recognize a personal responsibility for environmental action[14]. This public concern is driving more robust policies and programs. Although not currently implemented, the federal government has recently announced a number of policies that will require emissions reductions from the industrial sector. The federal government's 2007 plan, *Turning the Corner: An Action Plan to Reduce Greenhouse Gases and Air Pollution*, targets absolute reductions in GHGs by 20 percent from 2006 levels by the year 2020. In addition, the plan calls for reduction of industrial air pollution by one half by 2015[15].

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[12] *BP Statistical Review of World Energy*, 2007. U.S., China, Russia, Japan and India make up 52.1 percent of world primary energy demand.

[13] Climate change is an altering of long term weather patterns that includes temperatures and precipitation. The international scientific community agrees that climate change is occurring as a result of human activity, including the burning of fossil fuels which emit greenhouse gases into the atmosphere. For further information see: http://www.ipcc.ch/

[14] For example 91 percent of respondents claim "I feel a moral responsibility to improve the environment for future generations" Decima Research, *The Mood of Canada*, September 2006. Anderson, Bruce. Decima Insights, January 12, 2007.

[15] Air pollution includes nitrogen oxides (NO_x), sulphur oxides (SO_x), volatile organic compounds (VOCs), and particulate matter (PM). It can also include other air pollutants, such as benzene and mercury. Air pollution contributes to health and environmental impacts, such as smog and acid rain.

The policy developments at both provincial and federal levels constitute important steps in the achievement of Canada's energy and environment objectives. These developments are still a work-in-progress. Not all provinces are at a similar stage of policy development, and not all sectors are equally targeted for improvements in energy consumption and GHG emission reductions. Policies and programs that achieve broad support will need to balance economic, energy and environmental objectives.

Demand Response[16]

High energy prices would intuitively suggest a decrease in demand. However, demand response in energy use is relatively inflexible, particularly in the short term. This has been a subject of some discussion especially in the context of high energy prices. The pattern of energy consumption is largely predetermined by the make-up of the existing stock of energy-using devices. Since this stock has long life, the possibilities for demand reductions are limited. In addition, as consumers' incomes increase, they purchase more energy-using goods and services, which contributes to energy demand growth. Generally, this is what is being reflected in aggregate demand data available to date.

Despite the inherent inflexibility and the contribution to energy demand growth from the income effect, there are some indications that consumers are reacting to higher prices. Recent qualitative evidence suggests Canadians are responding to increased energy costs by adjusting lifestyles and spending habits. Although the total volume of gasoline sold in Canada continues to increase, there are indications that high and volatile prices are impacting vehicle purchasing trends. In fact, in 2006, for the first time ever, more than half of all retail car buyers bought small fuel-efficient vehicles[17]. However, this trend will take years to make a sizable impact on demand due to the turnover rate of vehicles. As well, energy efficiency improvements do not necessarily translate directly into energy demand reductions as decreased operating costs from improved fuel economy could lead to increased vehicle kilometers traveled (VKT).

There are also many low-cost investments that could yield significant savings within the existing energy system, which may become evident in the future. Homeowners are actively looking for ways to reduce energy costs. A recent survey in Ontario found 9 out of 10 home buyers in Toronto and Ottawa in 2006 were looking for increased energy efficiency[18]. Similarly, interest in programs offered by Natural Resources Canada (NRCan) for industrial, commercial and residential energy efficiency are on the rise.

In the longer term, consumers have more flexibility to react to higher energy prices, government programs and societal value changes as established stock can be replaced with more efficient energy-using equipment, and behaviours can be shaped to reduce demand.

New and Emerging Technologies

Technology is seen as an important part of the solution for energy supply and environmental challenges. There have been rapid technology advances in the last few decades, and this trend is not likely to diminish. On the supply side, technological advances are pursued to maintain current levels of conventional production, gain access to unconventional resources, and develop alternative sources of energy. On the demand side, more energy-efficient technologies are being developed. The main consideration is what technologies should be supported, to what extent, and to what ultimate end-goal.

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[16] For purpose of this discussion, demand response refers to market forces and the relationship between energy prices, income and energy consumption. This is distinguished from electricity demand response, which refers to negotiated or voluntary intermittent electricity reduction.

[17] Van Praet, Nicolas. *Smaller cars a bigger draw as drivers seek greater fuel economy*. National Post, March 1, 2007.

[18] Energy Evolution, 2006. *Builders Say Energy Efficiency Targets Will Affect Affordability*. September 28, 2006. http://www.energyevolution.ca

In many ways, Canada is a leader in energy innovation. The extraction of unconventional oil and gas, Advanced Canadian Deuterium (CANDU) Reactors (ACR), alternative fuels, fuel cell research, and cold-climate building design, are examples demonstrating Canadian innovation. Over 30 years ago, unique public-private investment strategies led to the development of oil sands research facilities and operating oil sands plays. Over the next 30 years, technologies such as the large-scale deployment of nuclear power generation, clean coal, oil sands gasification with carbon dioxide (CO_2) capture and storage, bio-based alternative fuels, advanced transportation technologies, and aggressive energy efficiency improvements are possible. Although not explored in this report, it is also possible that breakthrough technologies could result in fundamental changes to the way Canadians produce or consume energy. Examples include the development of a cost-effective method to tap into Canada's large gas hydrate resources, the evolution of a hydrogen economy or a breakthrough in fusion.

The development of technologies is shaped by future social and political priorities. In recent years, energy research has not kept pace with economic growth[19]. The scenarios in *Canada's Energy Future* depict the possible context for exploring technology opportunities.

Infrastructure

New infrastructure requirements and accompanying implications reflect the diversity and extensive nature of Canada's energy economy. While the oil, natural gas and electricity sectors indicate unique challenges, all sectors face opposition to siting new facilities, no matter the energy source. Additions to infrastructure ranging from oil sands developments to electricity generation and transmission also need to be undertaken in consideration of immediate air quality issues and the longer-term need to reduce GHG emissions. Other factors impacting timely execution of new infrastructure plans include the availability of skilled labour and professional services, as well as escalating costs for materials and services.

Given current and anticipated oil prices and substantial commitments already made by developers, the oil sands seem destined to dominate upstream development for many more years. Uncertainty remains about the extent and timing of development given concerns about availability of water for processing, rising costs, availability of skills, and availability of sufficient diluent for blending bitumen. The substantial increase in oil sands output suggests that new markets will need to be accessed. In this context, there are many new pipeline proposals currently under consideration which will supply areas in the U.S. beyond traditional markets. Industry could also turn their attention in the future towards reaching offshore markets. Refiners need to address changes in crude oil slates brought about by greatly increased oil sands output through increased investment. Sustained higher oil prices are causing resource owners, particularly provinces themselves, to reconsider royalty regimes. This could also pose implications for the completion and timing of new resource developments in conventional areas and in frontier areas.

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[19] Private research and development investment energy sector 0.75percent revenue, non-energy sector 3.8 percent. For more information see Natural Resources Canada, *Powerful Connections – Priorities and Directions in Energy Science and Technology in Canada*, National Advisory Panel on Sustainable Energy Science and Technology, 2006.

The North American gas market is evolving from one of self-sufficiency to an increasing requirement for offshore LNG. The scope of imports into North America will depend to some extent on the success of gas projects in Alaska, Mackenzie Delta, the East Coast, and non-conventional developments, such as coalbed methane (CBM) in Western Canada and the U.S. Rockies, with additional implications for the current and emerging pipeline infrastructure. Recent cost escalation for northern projects adds to the uncertainty about in-service dates and raises concerns about whether these projects will proceed. Simultaneously, natural gas demand is expected to experience continued growth, particularly in power generation, which will create demand for new gas services to the power sector, including gas storage. Another area of growth is the demand for gas in oil sands production, which also presents an opportunity for the efficient production of electricity from waste heat recovery (cogeneration).

Across Canada, provincial energy strategies generally, and the electricity strategies specifically, are under ongoing review to ensure adequacy of generation and environmental objectives. Substantial new generation infrastructure for conventional generation and emerging technologies (e.g., wind, small hydro and biomass) is either planned or under development. How each province plans to meet its unique needs varies according to its market structure and generation resources (for example, Newfoundland and Labrador, Quebec, Manitoba and British Columbia tend to be dominated by hydro developments, whereas other provinces have a mix of thermal and hydro resources). Currently, after many years of little or no growth in transmission, significant investments in intra-provincial projects (e.g., Alberta, Ontario) and interprovincial interconnections (e.g., Quebec to Ontario, Manitoba to Ontario) are contemplated. Additionally, expanded U.S. interconnections are also under consideration.

Energy in the Canadian Economy

Canadians use energy at one of the highest rates per capita in the world. This can be largely attributed to our climate[20], type of industries, and vast land area to transport people and goods. Canada is also an industrious country. In 2005, Canada was ranked 14th out of all countries in the world in gross domestic product (GDP) per capita.[21]

The energy industry plays a vital role in the Canadian economy. The energy industry[22] directly accounted for 9.9 percent[23] of Canada's GDP in 2005 and directly employed 2.3 percent of Canada's labour force[24] in 2005. Energy export revenue totaled $87.0 billion in 2005, which accounted for 20 percent of the value of all Canadian goods and services exported. This energy proportion has continually increased since 1998, when energy exports accounted for 8.1 percent of the value of total exports. Net energy exports in 2005 were considerable at $48.1 billion and have continuously grown since the 1990 level of $6.7 billion[25]. There are also many indirect and spin-off effects of the energy industry, affecting activities and work loads in sectors like government, finance, construction, metal and aluminium, emerging technologies and research, consulting, and numerous other local effects.

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[20] Canada is in the top ten countries in the world for heating degree days. Climate Analysis Indicators Tool: http://cait.wri.org/downloads/DN-HCDD.pdf ; takes into account the population densities across each country.

[21] International Monetary Fund: http://www.imf.org/. Canada averages US$35,105 per capita in 2005 dollars.

[22] Including all oil and gas and support activities, coal mining, electric and natural gas utilities, refineries, the oil and gas pipeline sector and the petrochemical sector.

[23] In current 1997 dollars, it is six percent. The percent is lower in 1997 dollars because some of the commodity prices used to calculate GDP in 1997 dollars are much lower than the 2005 prices (higher inflation rates from 1997 to 2005).

[24] This is 365,400 people. If gasoline stations are excluded it is 290,400 people. Source: *Labour Force Survey*, Statistics Canada.

[25] The 1990 net export dollar value is from *Statistics Canada's Energy Statistics Handbook*, Table 3.2.

Energy Exports

Canada has very large supplies of oil, natural gas, electricity and coal relative to the size of its domestic energy markets. With wide fluctuations in weather-induced demand and the vast physical distances between supply sources and markets, the development of interconnecting pipeline and transmission infrastructure would not have been economically viable without the inclusion of export volumes to absorb a share of the costs. In 2006, for the first time in many years, the value of Canadian net oil exports to the U.S. exceeded that of natural gas net exports. Growing oil exports are the result of production increases from oil sands and frontier oil off the East Coast.

An ongoing issue for oil and natural gas liquids is the extent to which energy is exported in its lower-value raw form rather than processed within Canada into a higher value product for export. The latter generates higher export revenues; however, it also incurs the costs of developing processing infrastructure and challenges traditional economic rationale, which suggests benefits to processing goods closer to the end-use market rather than at the point of extraction.

Natural gas export volumes have recently dropped due to declining production from mature fields and increasing domestic demand. Should this trend continue, there may be costs associated with underutilized infrastructure.

Electricity exports are a consequence of infrastructure sized to accommodate winter peaks, which opens up the potential to be underutilized for the remainder of the year. The ability to export and import during off-peak and peak periods enhances reliability and system efficiency. The concept of developing more east-west transmission capacity could result in less north-south trade with the U.S. Similarly, drier and warmer conditions could result in lower exports due to less hydroelectric power being available for export and higher consumption of electricity for air conditioning during the summer.

Canadian coal imports and exports are affected by electricity generation capacity additions, generation choices and the competitiveness of Canadian coal in international markets. Canadian imports of thermal coal are impacted by the closure of Ontario's coal-fired capacity, and Canadian exports of metallurgical coal will be impacted by the state of the iron and steel industry abroad and competitiveness of Canadian producers.

Canadian Reserves

The starting point for developing long-term projections of crude oil and natural gas production is to review the reserve potential. Conventional resources for oil and natural gas are based on estimates published by provincial energy agencies, offshore petroleum boards, the Geological Survey of Canada (GSC), and the NEB. Bitumen resource estimates are adopted from the Alberta Energy Utilities Board (EUB)[26].

As of year-end 2005, Canada's remaining oil reserves stood at 28.2 billion cubic metres (178 billion barrels), composed of 27.5 billion cubic metres (173 billion barrels) of bitumen reserves and

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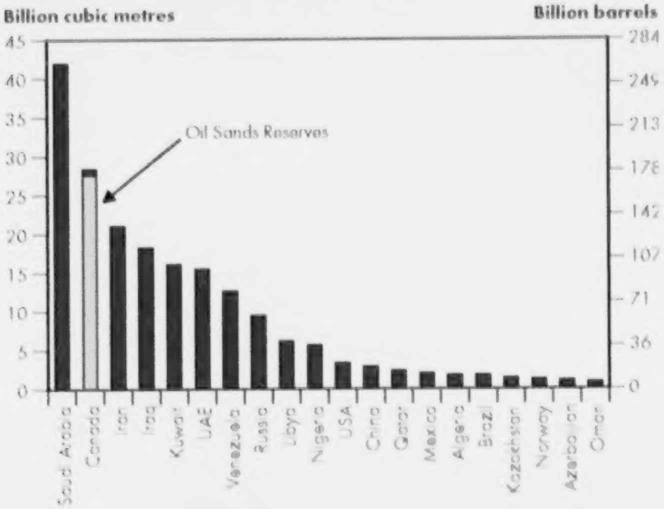
[26] Both the *Oil & Gas Journal* (Pennwell Petroleum Group) and the *BP Statistical Review of World Energy* recognized the EUB estimates for established reserves of bitumen in their listing of world oil reserves.

FIGURE 2.3

Estimated Proved Oil Reserves, 2005



Source: BP Statistical Review of World Energy, 2007

0.7 billion cubic metres (4.2 billion barrels) of conventional crude oil reserves (Figure 2.3).

Based on Canada's immense volume of recoverable reserves of oil sands bitumen, Canada ranks second in the world in terms of oil reserves, behind Saudi Arabia.

According to the *BP Statistical Review of World Energy 2007*, Canada accounts for 0.9 percent of the world's proven natural gas reserves and 6.7 percent of world production. The NEB's estimate of remaining marketable gas reserves at the end of 2005 is 1 619 billion m^3 (57.2 Tcf). Reserve additions were 212 billion m^3 (7.5 Tcf) in 2005 and replaced 125 percent of annual production. The rise in remaining reserves reflected increased exploration and improved recovery in known gas fields, as a consequence of the strong increase in natural gas prices during 2005. Initial reserves increased in Alberta, British Columbia and Saskatchewan in 2005, while Ontario and frontier regions were down slightly. With the decline in natural gas prices in 2006, some of the price-related increase in reserves during 2005 may be reversed in 2006[27]. Since natural gas markets were deregulated in the mid-1980s, the ratio of remaining gas reserves to annual production (or reserves life index) has declined from over 20 to be maintained at a relatively stable 8 to 10 since 1999.

Coal reserves are abundant throughout the world and account for over half of remaining hydrocarbon reserves. Canada also has large coal reserves (Table 2.1). At current prices, coal reserves are approximately eight percent of resources, sufficient to meet demand for about a century at the current rate of production, compared to a decade for natural gas and conventional oil. Oil sands reserves are sufficient to meet demand for almost five centuries at the current rate of production, but this is expected to drop as oil sands production is increasing rapidly.

TABLE 2.1

Canadian Coal Resources

(million tonnes)	Anthracite	Bituminous	Sub-Bituminous	Lignite	Total
Western Canada[1]	2 515	29 255	34 470	10 975	77 215
Eastern Canada[2]	0	1 480	180	0	1 660
Total	2 515	30 735	34 650	10 975	78 875

1. Saskatchewan, Alberta, British Columbia and the Territories
2. Nova Scotia, New Brunswick and Ontario

Source: Coal Resources of Canada, Geological Survey of Canada, 1989

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[27] Complete data for 2006 unavailable at time of writing.

REFERENCE CASE

Reference Case Overview (2005-2015)

The Reference Case is the National Energy Board's (the NEB or the Board) view of the most likely development of energy demand and supply over the next ten years given current energy market trends, the assumed macroeconomic outlook, assumed energy prices and the existing suite of government programs[28].

Macroeconomic Outlook

The macroeconomic outlook provides information on the Canadian economy necessary to develop energy demand and supply projections. Key drivers include total goods and services produced, disposable income, population, productivity and financial indicators[29].

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[28] The government programs considered are only those that are fully articulated and currently employed. Announced programs, such as the federal government's intention to finalize regulations for industrial air emissions by 2010, are not included in the Reference Case. New programs will be considered in the Reference Case of subsequent reports of *Canada's Energy Future* as they are adopted. In this report, consideration of these announced programs are only accounted for in the Triple E Scenario.

[29] Using inputs such as the Reference Case assumptions and scenario storylines, as outlined in Chapters 3 to 6, Informetrica Limited provided the macroeconomic forecast for the Reference Case and scenarios.

Canadian long-term economic growth is dependent on labour force and productivity assumptions. The more rapidly the labour force or productivity levels grow, the higher the pace of economic growth, all other factors held constant. A common thread across the three scenarios is a notable deceleration of growth in the labour force that intensifies over the projection period. This result is driven by demographic factors, such as an ageing population and low birth rates. Altering levels of immigration across scenarios provide variations in the demography, but it does not reverse the overall trend.

In the Reference Case, it is assumed that population growth slows over the next 10 years to 0.8 percent per year from 1.0 percent per year from 1990 to 2004 (Table 3.1). This poses implications for labour force growth, which also slows to 1.1 percent per year from 1.3 percent per year. It is also assumed that productivity, measured as output per employee, improves to 1.6 percent per year over the Reference Case period.

TABLE 3.1

Key Macroeconomic Variables – Reference Case 2004-2015

	1990-2004	2004-2015
Population	1.0	0.8
Labour force	1.3	1.1
Productivity	1.4	1.6
Gross domestic product	2.8	2.9
Goods	2.5	3.1
Service	3.0	2.8
Real disposable income	1.6	3.0
Exchange rate (average cents US/Cdn dollar)	74	93
Inflation Rate (average %)	2.3	1.7

[1] Comparing personal disposable income growth over the forecast period to the historic period of 1990 to 2004 is somewhat misleading because this historic time period captures two relatively low periods of growth, including the recession in the early 1990s, and Federal and provincial government policies of actively reducing Canadian debt.

(Annual Average Growth Rate (% per year) unless otherwise specified)

As a result, there is continued strong growth in Canadian gross domestic product (GDP) of 2.9 percent per year. The continued strong economic growth translates into personal disposable income growth of 3.0 percent per year.

By 2015, there is no change in the relative share of the goods producing industry or service sector compared to 2004 levels. The goods producing industry continues to account for roughly one-third of gross domestic product (GDP) and the service sector accounts for two-thirds. The regional distribution of Canadian economic growth has important implications for the energy demand projection because industries and regions have built-in biases for certain fuels.

The Reference Case shows economic growth in Canada being led by Ontario, Alberta, Northwest Territories and British Columbia consistent with trends over the last 15 years (Figure 3.1).

Energy Prices

Crude Oil Prices

Although Canada is ranked as one of the largest oil producers in the world, Canada produces less than three percent of total daily world production and is therefore a price-taker. The West Texas intermediate (WTI) crude oil price at Cushing, Oklahoma is one of the major world benchmarks for crude oil. Canadian crude is priced relative to WTI because the U.S. has traditionally been Canada's main export market. The U.S. is also the world's largest market for crude oil.

Crude oil prices are determined by the interaction of energy supply and demand. As discussed in Chapter 2, there has been a significant increase in energy prices in recent years as a result of high global energy demand and tight energy supply. It is expected that higher energy prices would encourage conservation and bring on additional supplies of energy leading to a moderation of energy prices in the near term. The Reference Case assumes that real crude oil prices will decrease from the high levels experienced in recent years to US$50/barrel and remain at this level until the end of the reference period (Figure 3.2).

Conventional heavy oil and bitumen blends command a lower market value than light oil because they are more difficult to refine and yield fewer high-value products. The light/heavy oil differential varies depending on supply and demand conditions and refining values in major markets. The assumption of a light/heavy differential of 30 percent is based on the historical average over the last decade and is applied in the Reference Case and all three scenarios.

FIGURE 3.1

Real GDP Growth Rates – Reference Case 2004-2015

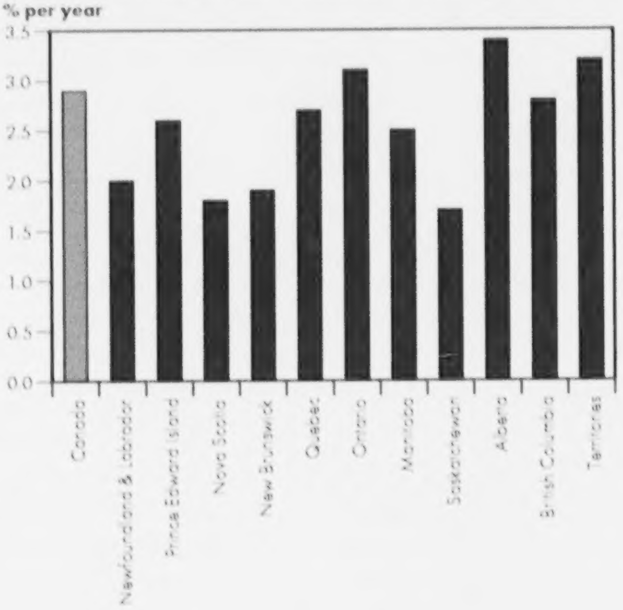
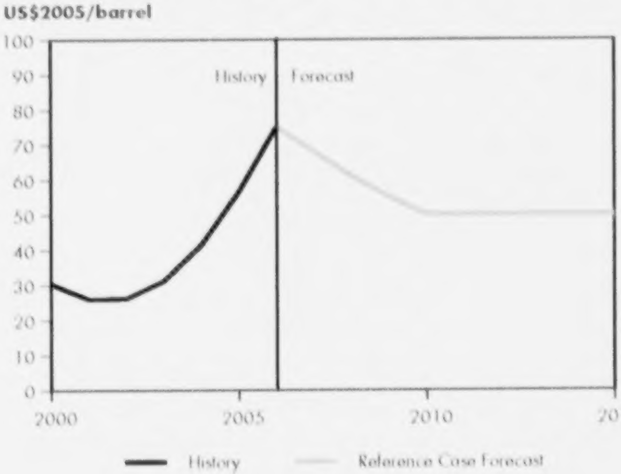


FIGURE 3.2

West Texas Intermediate Crude Oil Price at Cushing, Oklahoma – Reference Case



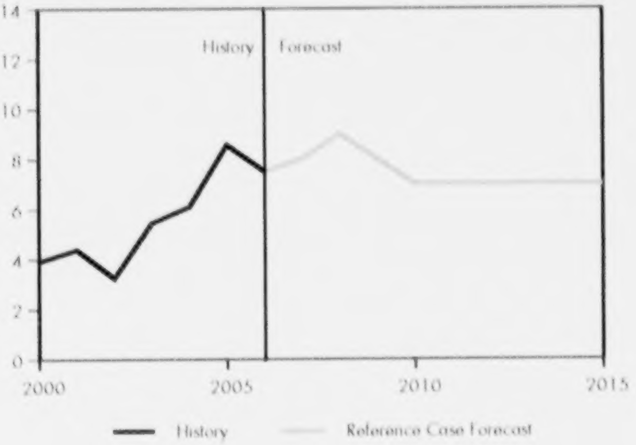
Natural Gas Prices

Natural gas prices are primarily determined on a continental basis as a result of the integrated nature of the North American natural gas demand and supply market, and limited import capacity and liquidity in the global liquefied natural gas (LNG) market. Demand is primarily affected by weather and competing fuel prices. Some industrial demand has the capability to switch between using oil or natural gas, particularly in the U.S. Northeast. As a result, natural gas prices tend to track crude oil

FIGURE 3.3

Natural Gas Price at Henry Hub, Louisiana – Reference Case

US$2005/MMBtu



prices[30]. In the Reference Case, the historic relationship between natural gas and crude oil continues with natural gas at 84 percent of the crude oil price, at a 6:1 energy content parity (roughly 6 MMBtu of natural gas per barrel of crude oil). This results in a Henry Hub (Louisiana) price of natural gas at US$6.65/GJ (US$7/MMBtu).

This assumed natural gas price level is relatively close to the average index price for Canadian gas supply over the 2003 to 2006 period (measured by the Nova Inventory Transfer [NIT] price in Alberta). This level of pricing is considerably higher than average annual price over the last decade and reflects the expectation of tighter North American supply and demand balance.

Electricity Prices

Electricity prices are determined in regional markets. Consumer prices for electricity are composed of generation, transmission and distribution costs. Prices are lowest in the hydro-based provinces (e.g., British Columbia, Manitoba, and Quebec), which benefit from a high proportion of low-cost heritage assets, such as hydro generating stations that are often many decades old and whose capital costs are largely amortised[31]. For example, in Quebec the supply price of the heritage portion (165 TW.h) is set by law at 2.79 cents/kW.h. In 2006-2007, this heritage portion will account for 95 percent of the electricity distributed by Hydro-Québec, and the cost of the remaining 5 percent will reflect market prices.

Prices in most jurisdictions are based on the cost of providing service to consumers including a regulated rate of return on generation, transmission and distribution assets. Costs are approved by provincial and, in some cases, municipal regulators. When required, the cost of new generation, usually higher than heritage costs, must also be approved and rolled in, resulting in higher average costs. This model is followed in all provinces and the territories except Alberta, where generation costs are based on competitive wholesale markets. Ontario is a hybrid of the two methodologies, with a blend of heritage pricing for coal, nuclear and hydro plants and market-based prices for new generation.

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[30] No. 2 heating oil generally provides an upper bound, while 1 percent sulphur residual fuel oil (RFO) generally provides a lower bound.

[31] Heritage assets are an amount of energy and capacity determined by the existing generation assets that resulted from past decisions under a previous market regime. This energy is generally sold into the marketplace at a price reflecting historical costs.

Within a given province, prices tend to be higher for residential customers and lower for large volume commercial and industrial customers, reflecting the cost of serving these markets. In addition, large customers may have access to power at lower costs than can be obtained from the provincial or municipal electric utility. This requires open access to transmission systems (or wholesale access). All provinces have some form of wholesale access.

In the Reference Case, prices rise steadily as increasing demand requires new generation to be added at higher cost. Depending on the province, new generation facilities include a diversity of conventional technologies, including natural-gas-fired generation, coal-fired units, and nuclear refurbishments as well as alternative or emerging technologies, including wind or biomass.

Coal Prices

Canadian coal prices for power generation vary substantially by region, with prices in Western Canada being generally lower, reflecting the cost of integrated mining and power generation (mine mouth power plants). Prices of coal imported to Nova Scotia, New Brunswick and Ontario reflect the competitive international market. Western Canadian coal is not usually competitive in Ontario, after taking into account quality differences and transportation costs.

In the near term, high oil and gas prices inflate coal prices. However, through the Reference period it is expected competitive pressures and productivity increases in mining and rail transportation will result in price declines.

Energy Demand

The outlook for energy demand is determined by the macroeconomic environment, energy prices, energy efficiency improvements, government policies and the weather[32]. The Reference Case is based primarily on historic trends. There has been an unprecedented rate of technological change in the last few decades and this trend is expected to continue. The trajectory of future technological improvements is based on the historical rate of change.

The Reference Case acknowledges literally hundreds of energy efficiency, demand management, research and development, emerging or alternative energy programs and policies that were in place in Canada at the start of the outlook period.

Total Secondary Energy Demand Trends

Canadian total secondary (or end-use) energy demand for the Reference Case grows at 1.8 percent over the 2004 to 2015 period and the energy intensity of the Canadian economy improves by 1.1 percent per year (Figure 3.4). This intensity improvement reflects higher energy prices in the Reference Case than has been historically experienced. As a result, there is an increase in the uptake of the more readily-accessible energy efficiency improvements, as well as more energy conservation action than witnessed in the last 15 years. Despite this, energy demand continues to be robust. Overall, energy demand remains defined by established devices, industries, services and habits. Projected strong economic and income growth maintain energy demand growth levels.

One of the fastest and most significant areas of energy demand growth is projected to be in the energy producing sector, particularly in the oil sands. As a result, Alberta's share of total Canadian energy demand in 2015 shows the greatest increase, from 26 to 30 percent, which puts Alberta's energy demand on par with Ontario, also at 30 percent[33].

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[32] Weather assumptions are based on climate normals, which assume a 30 year historical average.

Residential Secondary Energy Demand

Canadian residential secondary energy demand grows at 1.8 percent per year over the Reference Case (Figure 3.5). Higher personal disposable income translates into increased consumer spending on larger homes, appliances, electronics, and lighting. This profusion of consumer goods outweighs energy efficiency gains and leads to residential energy demand growth.

FIGURE 3.4

Canadian Total Secondary Energy Demand Intensity – Reference Case

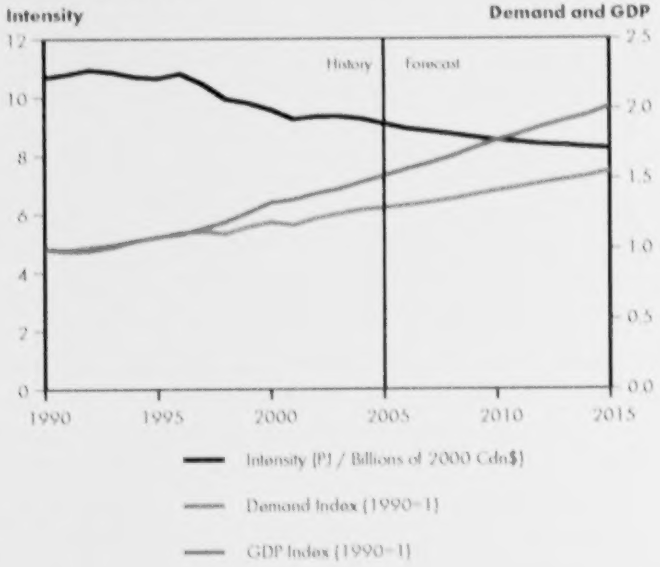
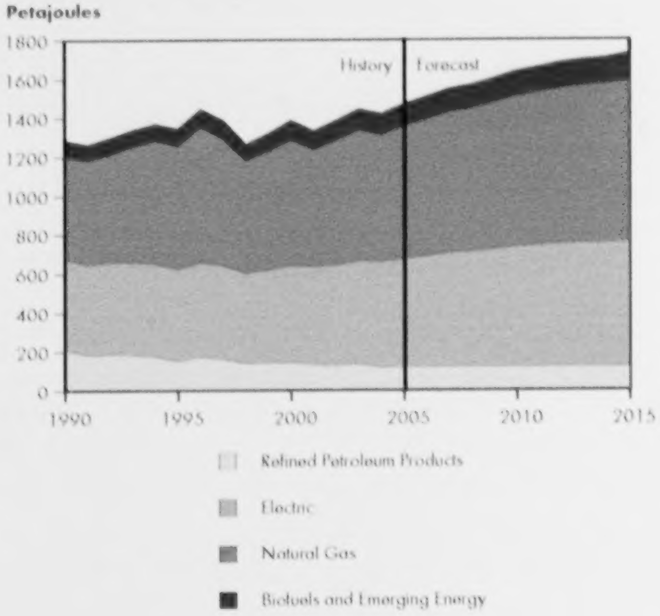


FIGURE 3.5

Canadian Residential Secondary Energy Demand by Fuel – Reference Case



Regional availability of fuel, energy prices, and end-use demand determines the mix of fuel that is used across Canada. Space and water heating account for approximately 80 percent of residential energy demand. In Atlantic Canada, residential demand has been met with electricity, oil and biomass as natural gas was historically unavailable. Hydro-rich provinces, such as Quebec, Ontario, Manitoba and British Columbia, rely more heavily on electricity to meet residential energy demand than other provinces, as electricity prices tend to be competitive with other fuels. Similarly, Alberta and Saskatchewan rely more heavily on natural gas than other regions as there is an abundant supply of this fuel in the region.

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[33] Appendix 2 contains detailed energy demand information by province.

Some fuel-switching occurs over the Reference Case. Higher electricity prices in the forecast moderate some of the electricity demand growth that would occur as a result of higher personal disposable income. Moderate natural gas prices encourage further expansion of gas networks.

In recent years, residential and commercial natural gas infrastructure has been constructed in Nova Scotia and New Brunswick. High natural gas prices in 2005 and 2006 as a result of Hurricanes Katrina and Rita resulted in a slowing of natural gas demand in the provinces. However, the more moderate natural gas prices in the Reference Case are assumed to allow for further penetration of natural gas in the residential market. By 2015, natural gas accounts for two percent of residential energy demand in Nova Scotia and five percent in New Brunswick.

Residential energy demand is highly influenced by weather trends. A warmer winter will result in decreased energy demand as space heating requirements are lower and a warmer summer will result in increased demand for space cooling. This influence can be seen in the jagged historic energy demand profile for the residential sector in Figure 3.5. It is important to note that the NEB assumes normal weather patterns, which is to say weather follows the 30-year historic average. Over the last decade, Canadian temperatures have been warmer than the 30-year average would suggest. Therefore, residential energy demand could be incorrectly estimated if weather patterns during the outlook period are more similar to the past 10 years than they are to the 30-year historic average.[34]

Commercial Secondary Energy Demand

Canadian commercial secondary energy demand is projected to grow at 1.4 percent per year over the 2004 to 2015 period (Figure 3.6). More moderate service industry economic growth and higher energy prices drive this result. Energy prices in the Reference Case are expected to trigger an energy demand response in the commercial sector where there is still considerable energy efficiency potential.

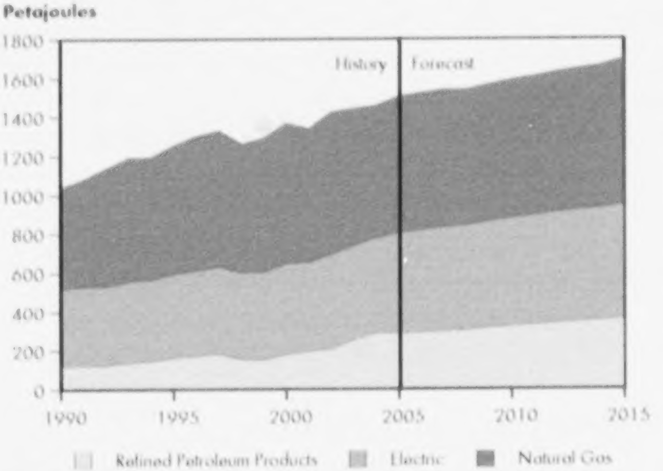
As with the residential sector, fuel shares reflect regional availability and markets. Generally, the fuel shares over the forecast period remain fairly constant, although there is some shifting into natural gas demand as a result of the higher electricity prices[35].

Industrial Secondary Energy Demand

Canadian industrial secondary energy demand grows at a moderate rate of two percent per year over the 2004 to 2015 period (Figure 3.7).

FIGURE 3.6

Canadian Commercial Secondary Energy Demand by Fuel – Reference Case



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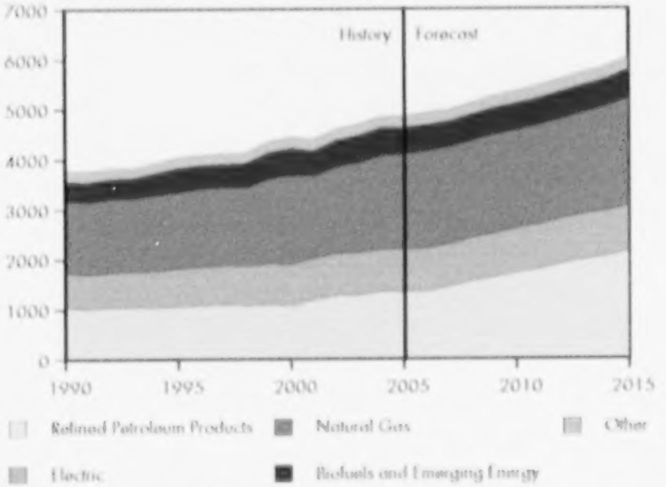
[34] An exact estimate of the degree of error is unavailable. However, the Office of Energy Efficiency estimates that changes in weather accounted for between a 2 percent decrease and a 4 percent increase in residential energy demand between 1997 and 2004.

[35] Some commercial sector data allocation issues may also distort fuel shares. Historically, the commercial sector acts as a catch-all for miscellaneous energy demands and, as a result, commercial oil shares have been increasing over the last few years.

FIGURE 3.7

Canadian Industrial Secondary Energy Demand by Fuel – Reference Case



('Other' fuel includes coal, coke, coke oven gas, steam, naphtha)

The industrial sector consists of energy demand from manufacturing, forestry, fisheries, agriculture, construction, and mining. The majority of industrial energy demand is found in a handful of energy-intensive industries, such as iron and steel, aluminium manufacturing, cement manufacturing, chemicals and fertilizers, pulp and paper, petroleum refining, and oil and gas extraction[36]. These relatively mature industries are facing increasing global competition and higher Canadian exchange rates. These economic factors temper energy demand growth.

One notable exception to the large-industry demand trend is the oil and gas industry. The strength of this industry drives much of the industrial sector energy demand growth. Oil sands operations are energy intensive, requiring significant amounts of natural gas, as well as other fuels, such as oil (e.g., still gas, petroleum coke, diesel[37]) and electricity. Energy demand expectations are dependent on the oil sands production outlook, which is discussed in more detail in the oil section. A discussion of energy requirements for the oil sands industry can also be found in this section.

In 2015, Alberta accounts for 44 percent of industrial energy demand in Canada and 86 percent of this demand is from the oil and gas industries. Ontario is the second largest at 24 percent and Quebec follows at 15 percent. Fuel shares by province vary significantly, depending on the types of industries and their energy intensities, along with the availability of fuels.

Transportation Energy Demand

Canadian transportation energy demand grows at 1.6 percent per year over the 2004 to 2015 period (Figure 3.8). This is slightly lower than the historical rate of 1.9 percent, and indicates energy efficiency effects tempering increased personal income and GDP growth effects. This sector is driven by macroeconomic conditions, energy prices and government standards.

The transportation sector is split into six different modes, including passenger transportation, on-road freight transportation, off-road transportation, rail, air and marine (Figure 3.9). Passenger transportation is the largest subsector and is primarily fueled by motor gasoline. Ethanol and other transportation fuels make up a very small component of passenger transportation demand. The ethanol share grows from near zero percent to one percent by 2015 due to the planned ethanol policies in Ontario and Saskatchewan[18]. The moderate energy prices in the Reference Case combined with strong personal disposable income growth leads to strong passenger transportation and gasoline demand growth.

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[36] In 2004, energy-intensive industries accounted for 80 percent of industrial energy demand. Industries outside of energy-intensive industries, such as light manufacturing, agriculture, forestry and construction, each account for a relatively small proportion of industrial energy demand, but taken together they account for about 20 percent.

[37] For the purposes of this report, diesel fuel use is captured under off-road transportation.

On-road freight and off-road transportation is primarily fueled by diesel. Strong industrial growth drives an increase in freight volumes, which in turn increases diesel consumption. Off-road transportation includes vehicle use that takes place primarily off paved or public roads, such as in agriculture, construction and mining activities. The off-road share remains strong due to projected growth in the oil sands, agriculture and construction industries.

In 2004, air, rail and marine demand accounted for roughly 14 percent of transportation energy demand. These shares are not expected to undergo significant changes over the Reference Case outlook.

FIGURE 3.8

Canadian Transportation Energy Demand by Fuel – Reference Case

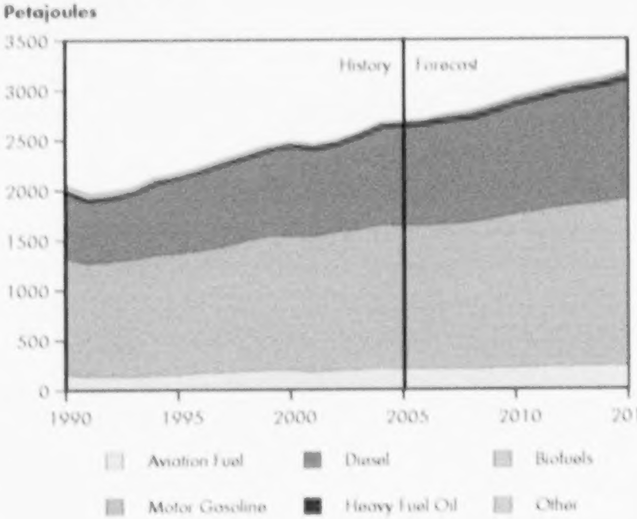
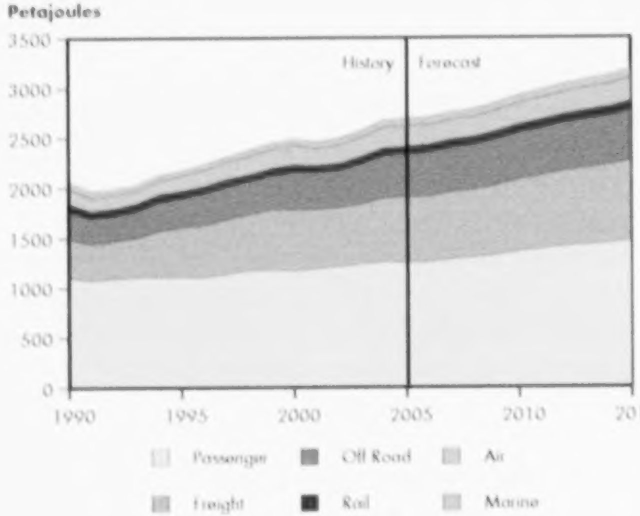


FIGURE 3.9

Canadian Transportation Energy Demand by Mode – Reference Case



Oil Supply

Crude Oil and Equivalent

Crude Oil and Bitumen Resources

Canadian crude oil and bitumen resources remain constant in the Reference Case and in all three scenarios. Current estimates place Canada's remaining established oil reserves at

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[18] The Ontario assumption is 5 percent ethanol volume (3.4 percent energy) of total gasoline use in the province by 2007. The Saskatchewan assumption is 7.5 percent ethanol volume (5.1 percent energy) of total gasoline use in the province by 2007.

28.2 billion cubic metres (178 billion barrels), with Alberta's oil sands deposits accounting for 27.5 billion cubic metres (173 billion barrels), and conventional oil reserves in the WCSB at 483 million cubic metres (3.0 billion barrels). At current rates of Canadian production, this equates to 181 years of supply. Eastern Canada and Frontier Area resources are estimated to be 211 million cubic metres (1.3 billion barrels)[39].

Total Canadian Oil Production

In the Reference Case, oil prices remain sufficiently buoyant and oil sands supply expands steadily. Declining Western Canada Sedimentary Basin (WCSB) conventional oil production is more than offset by increasing oil sands and east coast production. The east coast allotment would include connection of several satellite pools, as well as a new 80 million m^3 (500 million b) discovery. By 2015, the Reference Case production levels increase by 61 percent above 2005 levels, reaching 642 000 m^3/d (4.05 million b/d), which in today's terms would rank Canada as the world's fourth largest producer (Figure 3.10).

Conventional Crude Oil – WCSB

The projections in the Reference Case are based on extrapolation of historical decline trends, consideration of remaining reserves, potential for new discoveries, potential for improved oil recovery (IOR) and trends in initial production rates for new wells.

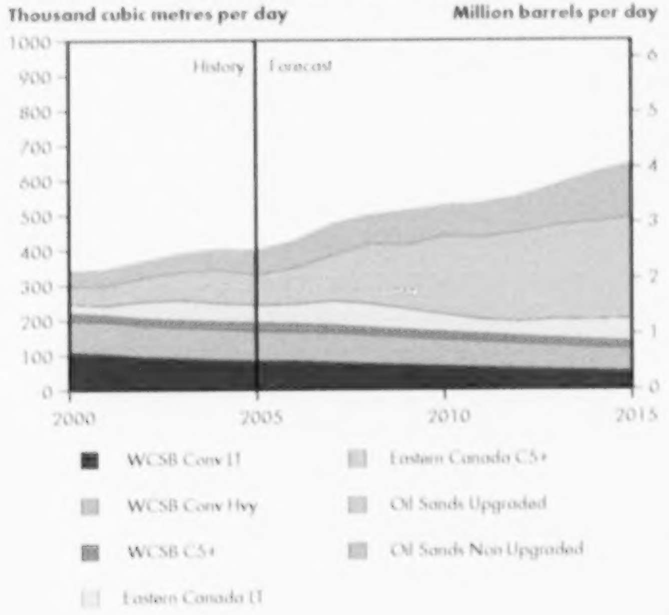
The high oil-to-gas price ratio has resulted in a shift to more oil-directed drilling. As well, recent success in exploiting the Bakken oil deposits of the Williston Basin in southeast Saskatchewan and in southwestern Manitoba has led to increased light crude oil production. The effect of these events is a softening of the production decline in the WCSB for several years, after which historical decline trends are expected to resume, consistent with a mature supply basin and the level of remaining reserves.

Due to the WCSB being a mature supply basin, exploration efforts yield increasingly smaller pools, but development drilling and IOR, primarily waterflooding, make up a larger portion of reserves additions.

Following the success of IOR through carbon dioxide (CO_2) flooding at the Weyburn and Midale Fields in

FIGURE 3.10

Total Canada Oil Production – Reference Case



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[39] Further detail on Canada's oil resources can be found in Appendix 3.

Saskatchewan, it is expected that CO_2 flooding in mature oil reservoirs will increase across the WCSB.

In the Reference Case, production of conventional crude oil and equivalent from the WCSB is projected to resume its decline in the 2009-2010 timeframe, for both light and heavy crude oil, with 2015 production levels of 52 000 m³/d (328 thousand b/d) for conventional light crude oil and 63 300 m³/d (399 thousand b/d) for conventional heavy crude oil (Figure 3.11). By 2015, conventional crude oil from the WCSB has declined by about 30 percent compared to 2005 production levels. Condensate is derived primarily from the processing of natural gas; therefore, projections of condensate production are consistent with the natural gas production projections. In the Reference Case, condensate production levels decline to 22 300 m³/d. (140 thousand b/d) by 2015.

FIGURE 3.11

WCSB Conventional Oil Production – Reference Case

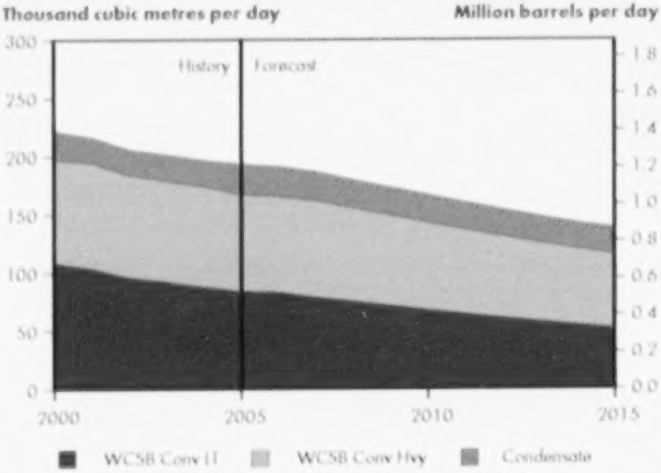
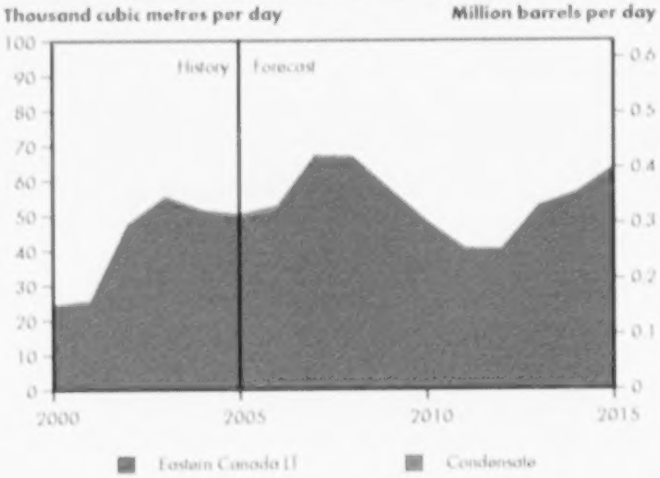


FIGURE 3.12

Eastern Canada Light Crude Production – Reference Case



Eastern Canada Light Crude Production

Projections for eastern Canada oil production are dominated by the east coast offshore, with only minor amounts of production expected from Ontario.

The White Rose Field offshore Newfoundland and Labrador became the third producing field in 2005, after Hibernia and Terra Nova. Total production levels are predicted to reach 66 000 m³/d (416 thousand b/d) in 2007, as White Rose expands and Terra Nova returns to full capacity after maintenance work in 2006 (Figure 3.12). The Hebron Field begins production in 2013. Contributions from smaller satellite pools in the Jeanne d'Arc Basin are also included, beginning in 2010[40].

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[40] The estimates presented above reflect the thinking at the time of analysis. Some of these estimates are speculative and may need revisions as more information is received. These revisions will be reflected in the Board's future analyses.

It is also assumed that a new 80 million m³ (500 million b) field is found in the relatively unexplored regions of the East Coast, potentially in the Flemish Pass region or in the Deepwater Scotian Shelf. The pool comes on-stream in 2015, increasing production levels to 75 000 m³/d (473 thousand b/d).

Oil Sands Supply

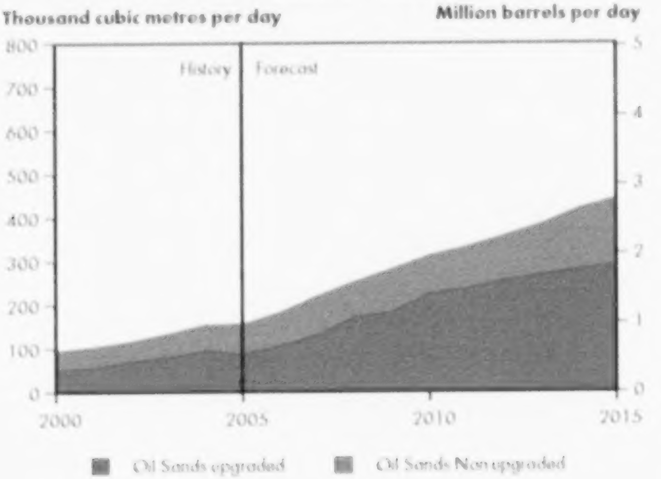
The projections of oil sands derived production in the Reference Case are largely based on the June 2006 NEB Energy Market Assessment (EMA) titled, *Canada's Oil Sands - Opportunities and Challenges to 2015: An Update*.

The energy prices assumed in the Reference Case generate sufficient cash flow for oil sands operators to actively expand production levels. Bitumen supply is derived from surface mining and in-situ recovery operations. The bulk of in-situ supply comes from steam assisted gravity drainage (SAGD) and cyclic steam stimulation (CSS) thermal processes, while the contribution from the toe-to-heel air injection (THAI™) and vapourized extraction (VAPEX) processes is anticipated to increase over time. Primary or 'cold production' levels are assumed to increase at an annual rate of one percent over the course of the projection.

Upgraded bitumen supply includes bitumen from mining, in-situ and primary sources. This upgraded supply includes shipments to dedicated (on-site) and stand-alone (Edmonton refinery corridor) upgraders. Upgraded bitumen levels expand to 290 000 m³/d (1.82 million b/d) by 2015 and represent 65 percent of total bitumen supply (Figure 3.13). The non-upgraded bitumen supply falls as a result of additional upgrading capacity coming on-stream. In the Reference Case, non-upgraded bitumen levels expand to 154 000 m³/d (970 thousand b/d) by 2015.

FIGURE 3.13

Canadian Oil Sands Production – Reference Case



The oil sands industry is a large user of natural gas and has been seeking ways to reduce its dependence on this fuel. Over the past decade, the energy efficiency in oil sands operations has improved on the order of one percent annually. In the Reference Case, this rate of improvement is maintained to 2015. In addition, the adoption of alternative fuels in certain new projects is considered. Bitumen gasification will provide the bulk of the fuel requirements and feedstock for the OPTI/Nexen Long Lake SAGD/Upgrader project, scheduled to begin operations in 2007. It is assumed that the application of bitumen gasification will gradually gain momentum in both in-situ and upgrading operations. As well, the application of the THAI™ and Multiphase Superfine Atomized Residue (MSAR) technologies will begin to play a role in the 2010-2012 timeframe. In the Reference Case, the purchased natural gas intensity is reduced from 0.67 Mcf/b in 2005 to 0.59 Mcf/b in 2015. Total purchased natural gas requirements, excluding on-site electricity requirements, increase from 18.4 million m³/d (0.65 Bcf/d) in 2005 to 51.0 million m³/d (1.8 Bcf/d) by 2015.

Supply and Demand Balances

The crude oil feedstock requirements for Canadian refineries are based on projected demand and assumed levels of exports and imports of petroleum products. Total domestic demand for petroleum products was 290 900 m^3/d (1.83 million b/d) in 2005. By 2015, it increases to 392 400 m^3/d (2.47 million b/d).

Canada's refineries are located in four main regions: Western Canada, Ontario, Quebec and Atlantic Canada. There is very little spare processing capacity in Canada. Two of the three refineries in Atlantic Canada produce petroleum products primarily destined for the export market. With the exception of Shell Canada's refinery in Scotford, Alberta, most Canadian refineries are over 30 years old. The Reference Case assumes most companies will focus on optimizing production and flow-through at existing refineries rather than investing in new refineries.

Refineries in Quebec and the Atlantic do not have access to western Canadian crude oil and rely on imports for most of their feedstock requirements. East Coast offshore production can reach Ontario and Quebec; however, the suitability of the crude quality and stability of supply, combined with import economics, will limit the displacement of imported volumes in these markets.

Oil Sands Opportunities and Challenges

Worldwide economic growth and the consequent construction boom that has resulted in sharp increases in demand for labour and in prices of construction materials, especially steel and cement, combined with a very active construction environment in Alberta, has led to increased construction costs in the province. Oil sands developers are acutely aware of the challenges in construction and commissioning of large facilities. An overheated economy has resulted in shortages of engineers, project managers, skilled labour, trades and even materials. In addition, the influx of capital and people have severely strained supporting infrastructure, as shortage of schools, housing, healthcare and other essentials have impacted budgets and timelines. The result has been an escalation in capital costs for oil sands producers in the order of 40 to 50 percent over the last two years. For example, capital costs for adding integrated mining and upgrading capacity, to come on in the 2010-2011 timeframe, are estimated to be in the range of $80 000 to $100 000 per flowing barrel.

Volatile oil and gas prices, as well as volatile light/heavy crude oil price differentials, add considerable risk in predicting rates of return on investment for oil sands projects. In addition, because the oil price is denominated in U.S. dollars, a stronger Canadian dollar has a significant negative impact on project economics. Recent changes in tax policy, concerning removal of the Accelerated Capital Cost Allowance (ACCA) have also had an effect.

The oil sands industry faces additional uncertainties regarding environmental compliance, as both provincial and federal government regulations regarding greenhouse gas (GHG) emissions are not yet fully defined. Provincial regulations concerning water use, air quality, and land use are also not yet fully defined. As well, Alberta's provincial government has undertaken a review of oil and gas royalties, including oil sands royalties, with a final report to be released in the fall of 2007.

These challenges have slowed the pace of activity somewhat, and a number of companies are reassessing the economics of their projects.

The challenges faced by the oil sands industry are counter-balanced by the opportunities. At a time of increasing resource nationalism around the world, Canada's huge oil sands reserves, set in a climate of relatively stable political and economic policy, represent an attractive target for investment. The potential for technological innovation to reduce the costs of bitumen extraction and upgrading is an additional attraction. Given the outlook for continued higher oil prices, return on investment should be sufficient to drive oil sands expansion.

Light Crude Oil[41] *– Supply and Demand Balance*

Exports of light crude oil increase steeply from 110 200 m³/d (694 thousand b/d) in 2005 to 258 300 m³/d (1.63 million b/d) in 2015 (Figure 3.14). Most of the refineries in Western Canada will run greater volumes of synthetic crude oil, which will displace potentially 11 700 m³/d (74 thousand b/d) of conventional light crude oil that could, in turn, be exported.

FIGURE 3.14

Supply and Demand Balance, Light Crude Oil – Reference Case

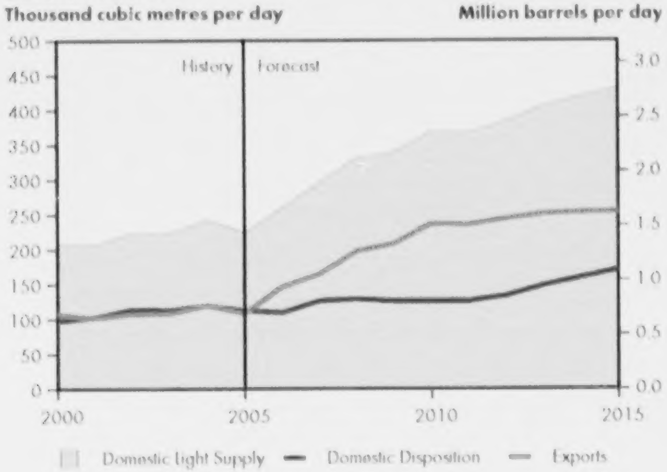
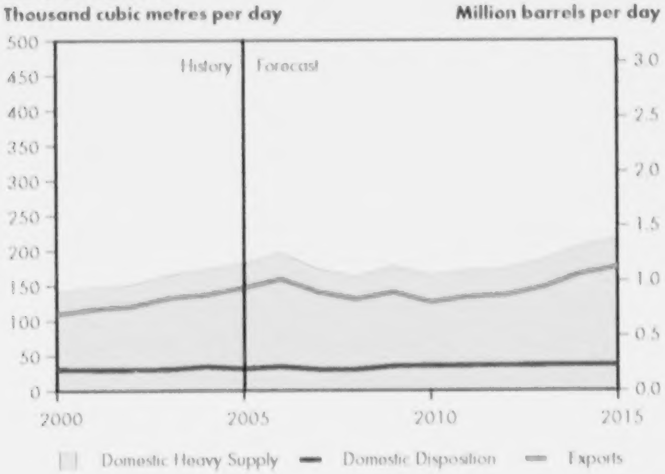


FIGURE 3.15

Supply and Demand Balance, Heavy Crude Oil – Reference Case



Heavy Crude Oil – Supply and Demand Balance

Exports of heavy crude oil increase from 149 200 m³/d (940 thousand b/d) in 2005 to 178 900 m³/d (1.13 million b/d) in 2015 but vary somewhat during the forecast period (Figure 3.15). It is assumed that some of the refineries in Western Canada will also be able to process some bitumen directly, which translates into increased domestic demand for heavy crude oil.

Natural Gas Supply

Canadian Natural Gas Resource Base

Under the pricing conditions of the Reference Case, Canada's remaining marketable natural gas resource base is estimated at 12 011 billion cubic metres (424 trillion cubic feet). Conventional gas in Western Canada represents almost a third of the remaining resource base and is expected to be the source of almost 80 percent of projected Canadian natural gas production through 2015.

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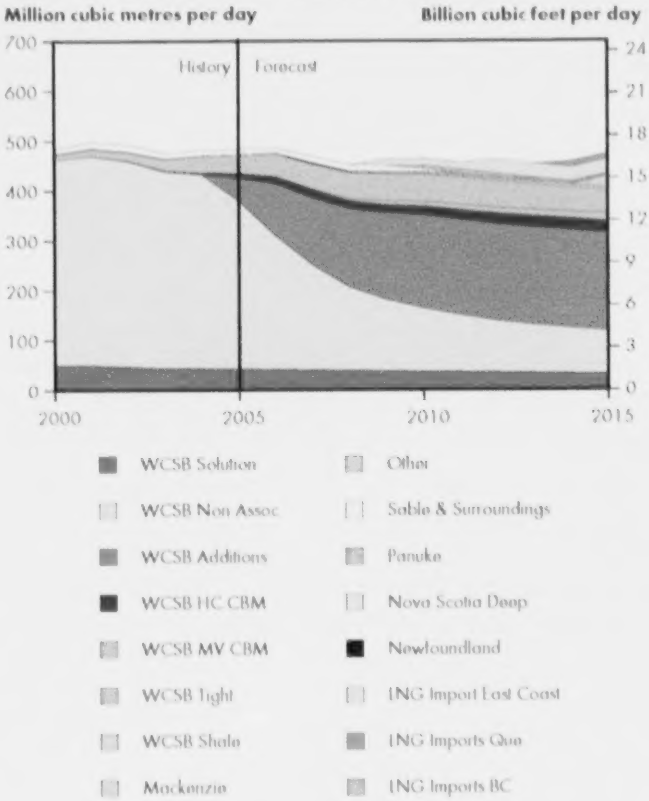
[41] To remain consistent with Statistics Canada (StatCan) data, 'light crude oil' refers to all crude oil of 26 API and greater while 'heavy crude oil' refers to all crude less than 26 API. This report reclassifies the export statistics currently available on the NEB website, which combines medium crude oil, with an API between 25 and 30, with heavy crude oil.

Western Canada also contains significant unconventional natural gas resources, including coalbed methane (CBM), tight gas and shale gas. These unconventional natural gas resources comprise 1 841 billion cubic metres (65 trillion cubic feet) or 15 percent of estimated remaining natural gas resources.

Other natural gas resources are designated as frontier supply. Frontier resource areas are estimated to contain 6 374 billion cubic metres (225 trillion cubic feet) or 53 percent of Canada's remaining marketable natural gas resources, but only minor amounts are likely to be accessible within the time period of the Reference Case[42].

FIGURE 3.16

Natural Gas Production Outlook – Reference Case



Production and LNG Imports

The Reference Case estimate of Canadian marketable natural gas production and LNG imports is indicated in Figure 3.16. Western Canada is expected to continue to be the primary source of gas production in the Reference Case. After lagging from 2006 to 2008, natural gas drilling in Western Canada recovers to roughly 18 000 gas wells per year by 2009 and will maintain that level through 2015. Natural gas drilling slowed in the second half of 2006 and into 2007 due to reduced margins resulting from escalating drilling costs and softening gas prices. A gradual recovery in natural gas drilling activity is expected to begin in 2008 as drilling costs weaken due to lower utilization (compounded by growth in the drilling rig fleet) and natural gas prices strengthen.

Despite the resumption of strong drilling activity, a continued downward trend in new well productivity leads to a gradual decline in production over the period, as shown in Figure 3.16. Coalbed methane production in Western Canada increases steadily, reaching 38 million m^3/d (1.4 Bcf/d) by 2015.

Conventional natural gas production from the East Coast contributes an average of 12.2 million m^3/d (0.43 Bcf/d) over the Reference Case period and includes the Sable project offshore Nova Scotia, the onshore McCully field in New Brunswick, and CBM production in Nova Scotia. Also included is offshore production from the proposed Deep Panuke project starting in 2010, subject to the project obtaining regulatory approval and a commercial decision to proceed. Significant volumes of discovered gas are associated with offshore oil projects on the Grand Banks of Newfoundland, but this gas is expected to be used for reservoir pressure maintenance or otherwise stored in reservoirs until oil production slows down beyond the end of the Reference Case.

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[42] A detailed breakdown of Canada's remaining marketable natural gas resource base is provided in Appendix 4.

Three LNG import terminals are expected to be operational by 2015 with annual import volumes assumed to average 39.7 million m^3/d (1.4 Bcf/d). Currently one LNG facility, and its connecting pipeline, has approvals and construction is under way with deliveries expected to start in 2008.

Supply and Demand Balance

Demand for natural gas increases steadily in the Reference Case, led by gas use in expanding oil sands operations and greater use as a fuel to generate electricity. With production initially declining and then remaining relatively flat for much of the period, rising gas demand results in a gradual tightening between supply and demand (Figure 3.17). While physical export and import flows of natural gas between Canada and the U.S. will likely vary from year to year and between specific regions on the basis of relative market conditions, a gradual reduction in net natural gas export capability is a consequence of the Canadian production and demand projections in the Reference Case.

Although not part of the analysis for this report, any reduction in net Canadian gas exports over the period is likely to be offset by increased LNG imports into the U.S. and by growing U.S. unconventional gas production. As a result, relatively balanced supply and demand conditions are expected to persist in North American natural gas markets over the Reference Case period and maintain an average gas price of $6.65/GJ (US$7.00/ MMBtu).

Unconventional Natural Gas

Unconventional gas includes CBM, tight gas, shale, and gas hydrates.

Coalbed methane consists of methane bonded or adsorbed into the large internal surface area of the coal. CBM resources are primarily located in the shallow Horseshoe Canyon Formation and the deeper Mannville Formation in Alberta.

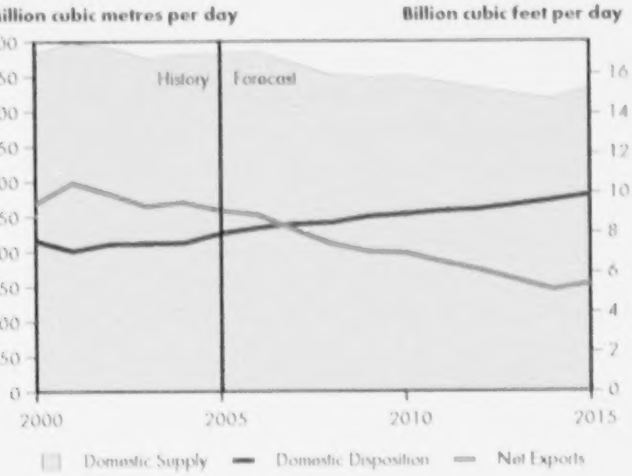
Canada does not currently have a specific definition for tight gas. The usual practice has been to incorporate the estimated 368 billion cubic metres (13 trillion cubic feet) of resources in the low permeability or tight gas plays that are currently producing gas as conventional gas. For the purposes of this report, it is useful to recognize these volumes separately and the conventional category has been reduced accordingly. Further, the NEB believes that the gas resources attributed to these producing plays understates additional volumes that could also be recognized as tight gas and so has increased the remaining marketable natural gas resource estimate for the Reference Case to a total of 595 billion cubic metres (21 trillion cubic feet). Tight gas is expected to be producible from along the mountain front of Alberta and British Columbia in a region known as the 'Deep Basin', in the Jean Marie Formation of northeast B.C., and possibly in the shallow gas deposits of southeastern Alberta and southwestern Saskatchewan.

At present, there are no large scale production programs from shale horizons in Canada. Several shales in Western Canada qualify as targets and there is some ongoing testing of shales in select locations. Fracturing, both natural and induced, is generally required to provide flow pathways to the well bore. There are occasional wells in Alberta that do produce gas or oil from highly fractured shales. For the Reference Case, 244 billion cubic metres (8.6 trillion cubic feet) of remaining marketable resources have been assigned to shale gas.

Gas hydrates are another potential source of unconventional natural gas. Gas hydrates consist of methane molecules trapped in and encased by a cage of frozen water molecules. Gas hydrates are found at the ocean bottom or on land under permafrost areas. The likelihood of achieving commercial methane production from gas hydrates by 2030 is very low and so has not been included in the unconventional resource estimate.

FIGURE 3.17

Supply and Demand Balance, Natural Gas – Reference Case



Natural Gas Liquids

Supply and Disposition

The natural gas liquids supply outlooks are primarily derived from the natural gas production outlooks[43]. However, a portion of propane and butane supply comes from oil refining. Therefore, as gas declines and oil production increases in all scenarios, the share of natural gas liquids (NGL) from oil increases.

Under all scenarios, extraction of liquids from natural gas is assumed to be economic over the long-term given the price assumptions. In addition, NGL volumes are augmented by liquids extracted from Mackenzie Delta gas, (subject to regulatory approval and a commercial decision to proceed), oil sands off-gas, as well as enhanced deep-cut expansion at Alberta straddle plants. The enhanced deep-cut and off-gas sources reflect the Alberta government's Incremental Ethane Extraction Policy (IEEP) introduced in 2006.

In the Reference Case, excess volumes of propane and butane are available for export throughout the entire projection period. The butane supply and demand balance becomes tight in the middle of the outlook period; however, demand for butane as bitumen diluent is assumed to disappear around 2015. The commencement of service on one or two of the currently proposed condensate import lines would result in the loss of butane diluent demand[44].

Ethane Supply and Demand Balances

The ethane supply and demand balance is expected to be tight early in the period, as supply declines with the decrease in conventional WCSB natural gas production and little incremental supply is available from oil sands off-gas or extraction facility expansions (Figure 3.18). The tightness is likely to ease by 2010, as new ethane extraction facilities and oil sands off-gas add about 5 800 m^3/d (36 thousand b/d) of incremental ethane with another 6 600 m^3/d (42 thousand b/d) added in 2015. Consequently, a small amount of excess supply is available for export during the period of 2010 to 2015.

The ethane supply outlook does not include ethane from the East Coast, British Columbia offshore, or Arctic Islands resources – this is the case under all scenarios. In addition, there is insufficient ethane to support development of a petrochemical industry in the Atlantic Provinces. As a result, in the Reference Case and the scenarios, ethane is left in the natural gas streams in these areas.

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[43] Liquids associated with LNG are assumed to remain in the natural gas stream and therefore do not contribute to Canadian NGL supply in any scenario.

[44] Further detail on propane and butane supply, demand and potential exports can be found in Appendix 3.

FIGURE 3.18

Canadian Ethane Supply and Demand Balance – Reference Case

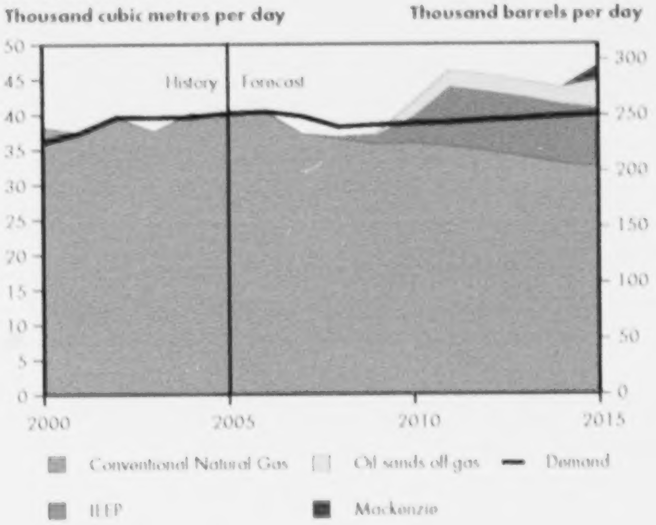
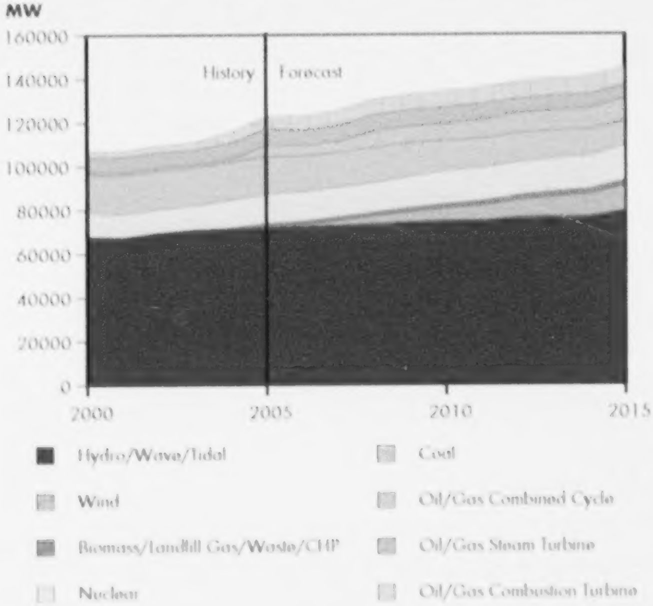


FIGURE 3.19

Canadian Generating Capacity – Reference Case



Of the ethane extracted in 2005, about 94 percent was consumed by the Alberta petrochemical sector as feedstock to produce ethylene, with the remaining volume used for IOR miscible flood projects or shipped to other provinces. Demand for ethane is projected to grow at a slow rate, as the ethylene market in North America is considered to be saturated; therefore, it is assumed that no new ethylene plants will be built during the forecast period under all scenarios. Some volumes of propane are currently being used to supplement ethane supplies at petrochemical facilities, and this is expected to continue through the forecast period.

Electricity Supply

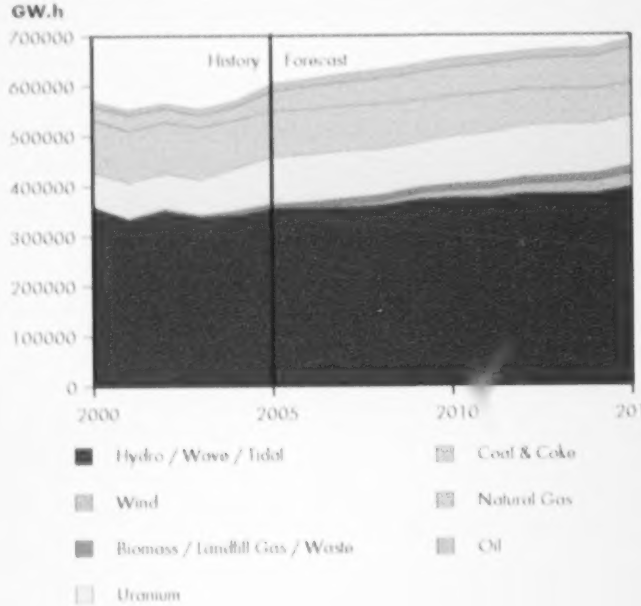
Capacity and Generation

Generation capacity increases by 18 percent between 2005 and 2015 (Figure 3.19). These capacity additions are required to meet projected load requirements during peak periods, while maintaining adequate reserve margins for reliability. Generation growth averages two percent annually over the period, with new electricity supply coming from both traditional and emerging sources. Investment requirements are being examined using a portfolio approach that considers a variety of factors in addition to cost, such as environmental impact, fuel price volatility and security of supply. This approach will enable investments in projects of all types, including conventional sources such as large hydro, nuclear, natural gas, coal and oil emerging technologies such as wind, biomass, solar, tidal and small hydro.

Hydro

FIGURE 3.20

Canadian Generation – Reference Case



Hydroelectric generation will continue to be the major source of electricity during the Reference Case timeframe, increasing its share from about 60 percent of Canadian electricity generation to 65 percent (Figure 3.20). Hydro-based capacity, excluding small hydro is projected to reach 79 300 MW by 2015, an increase of roughly 7 600 MW from 2005.

There will be extensive development of new hydro projects in Quebec, Manitoba, British Columbia and Newfoundland and Labrador and smaller hydroelectric projects in Alberta and Ontario. The Reference Case assumes that the 2 260 MW Lower Churchill facility in Newfoundland and the 200 MW Wuskwatim project in Manitoba are built, and that announced hydro projects, including expansion of existing facilities, in Quebec (3 194 MW) and British Columbia (1 389 MW) are constructed.

Many of these projects are located far from the customer base and will require major transmission investments.

Nuclear

Total nuclear capacity increases by 2 650 MW (20 percent) during the period of the Reference Case. Nuclear additions occur in Ontario, with the return to service of two 825 MW Bruce A units in 2009 and 2010, and the subsequent construction of a 1 000 MW Advanced Canadian Deuterium (CANDU) reactor (ACR) in 2015 to replace retiring coal units. It is assumed that the Point Lepreau (New Brunswick) and Gentilly-2 (Quebec) generating stations will be refurbished.

Natural gas-fired

Investment in natural gas-fired generation is forecast to increase despite the rise in the relative level and volatility of natural gas prices. The following increments are forecast to occur during the period of the Reference Case: an additional 5 000 MW of combined-cycle generation; 3 000 MW of combustion turbine/cogeneration facilities; and a decrease of 1 400 MW of steam turbine generation. Such investments illustrate that natural gas will continue to be relied on to meet increased electricity demand. Annual natural gas-fired generation output is forecast to increase from 39 000 GW.h to 69 000 GW.h over the forecast period, increasing its share of total generation from seven percent to 11 percent.

In the near term, investment in combined-cycle generation is planned for Ontario, British Columbia, Saskatchewan and Newfoundland and Labrador. In Ontario, combined-cycle gas will be relied on to help meet demand following the phase out of coal-fired generation. In British Columbia, the Burrard steam turbine generator will either be converted to combined-cycle units or replaced with new combined-cycle generation. In Newfoundland, oil steam units will be replaced by a 360 MW combined-cycle oil-fired facility in 2012.

There is a general decrease in natural gas-fired steam generation as older plants are replaced by more efficient combined-cycle facilities, except in Ontario where some coal-fired generation is converted to natural gas.

Combustion turbine generation will be added in the Northwest Territories as part of the Mackenzie Valley pipeline project starting in 2015.

Also included in the combustion turbine total is cogeneration. Cogeneration units will be added in Alberta, Ontario and Quebec. Of note, 1 500 MW of natural gas and bitumen-fired cogeneration facilities are developed in Alberta in conjunction with the growing number of oil sands and in-situ bitumen projects. In Quebec, Bécancour is the only gas-fired generation addition.

Coal-fired

Total coal-fired generation capacity is projected to decrease by 36 percent or 6 300 MW in the Reference Case. As a result, coal's share of total generation will fall from 14 percent in 2005 to 8 percent in 2015. Output from coal-fired generation will decrease 27 percent. The largest change occurs in Ontario, as coal-fired generation decreases by 87 percent or 6 600 MW. During the period of the Reference Case, new conventional coal-fired generation will be constructed in Alberta and Nova Scotia.

At the time of writing, SaskPower (a Crown Corporation that is the principal supplier of electricity in Saskatchewan) was working on an innovative Clean Coal Project that would result in the construction of a 300 MW coal power plant that would have up to 90 percent of its CO_2 emissions captured. Our analysis assumes that this unit comes into service in 2012. The experience gained will allow the addition of carbon capture and storage (CCS) systems to coal power plants built after 2018, although for economic reasons this technology is only widely employed in the Triple E Scenario.

Oil-fired

Oil-fired power facilities provide generation during peak demand periods or in areas where other fossil fuelled generation is not available, such as the Yukon, Nunavut and Northwest Territories. The Reference Case indicates declining shares of oil-fired generation, as older steam units are replaced with natural gas-fuelled combined-cycle generation.

Emerging Technologies

The term 'emerging technologies' includes all alternatives to traditional generation sources such as coal, hydro with storage, natural gas, oil and nuclear. The share of installed unconventional generation remains small relative to the more centralized conventional sources, yet large changes are expected to occur. Wind power experiences exceptionally strong growth, and total wind power capacity is projected to grow from 495 MW in 2005 to 11 400 MW by 2015. During the outlook period, the largest volume of wind power additions occur in Quebec (4 365 MW), Ontario (2 852 MW) and Alberta (1 140 MW). Output from wind generation shows a corresponding increase, from 945 GW.h in 2005 to 29 605 GW.h in 2015.

Other generation technologies, such as biomass, landfill gas, waste heat, solar and tidal grow by 50 percent to 812 MW. The majority of this output is from biomass.

Exports, Imports and Interprovincial Transfers

Canadian net exports increase by 32 per cent from 2006 to 37 600 GW.h in 2015, due in large part to the commissioning of the Lower Churchill hydro development in Labrador (Figure 3.21). This also leads to an increase in interprovincial transfers as this power must be wheeled through Quebec before it can be exported.

Coal

Canadian Resources and Reserves

Coal resources include those deposits that occur in coal seams within specified limits of thickness and reflect the technical feasibility of exploitation and probable ultimate use. Ninety-eight percent of Canadian coal resources are found in Western Canada, of which over half consists of sub-bituminous deposits in Alberta (45 percent) and lignite in Saskatchewan (14 percent). Approximately 41 percent of western coal reserves are from bituminous and anthracite coal resources.

Market-Based Prices for Electricity

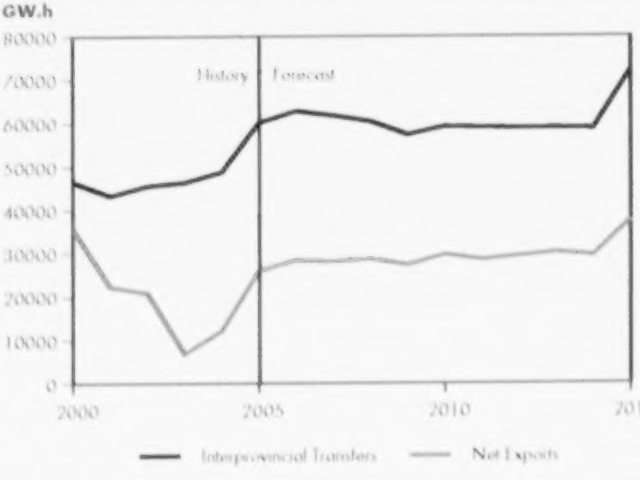
Although there are some exceptions, the prices Canadians pay for electricity are based on regulated rates approved by provincial public utility boards. Such rates tend to be based on the historical costs of power developments (heritage assets) and are thus lower than the replacement, or marginal cost. With a preponderance of low-cost heritage hydro resources, this enables Canadians to enjoy among the lowest electricity prices in the developed countries. In contrast, electricity sales in interprovincial and international trade, occur at market-based prices, which are higher than provincially-regulated prices.

Regulated prices can be justified on the basis of the provincial market structure, where there is limited competition (in many provinces, electricity generation is dominated by Crown corporations) and a desire to maintain stable and reasonable prices. Some provinces have encouraged the development and use of low-cost power as an economic development strategy for attracting electric-intensive industry.

Proponents of market-based pricing argue that both consumers and producers need market signals to encourage efficient outcomes. For example, anticipated supply shortages would cause increasing prices, thus encouraging development of new supply and providing a signal to consumers to reduce consumption. Currently, Alberta and Ontario have made the most progress toward implementing market pricing for electricity consumers.

FIGURE 3.21

Interprovincial Transfers and Net Exports – Reference Case



Supply and Demand

Global demand for total coal appears to have started slowing down in 2005. However, global thermal coal demand continues to be strong, particularly in developing countries that use coal for heat and electricity generation. Canada's 2005 domestic demand for coal is estimated to be slightly higher than the average level of the past decade. In 2005, Canadian electricity generation consumed about 51 Mt, of which 34 Mt was sourced domestically and 17 Mt was imported. Canada's steel, cement and other industries consumed about 4 Mt of coal. Canada produced about 68 Mt of coal in 2005, a slight increase over the past decade's coal production of 62 Mt. Canada exported 28.2 Mt of coal, a decrease from mid-1990 levels of 34 Mt.

Both nationally and internationally, there does not appear to be significant resource constraints on coal production. Canadian coal production is projected to decrease by about four percent by 2015. This decrease is primarily driven by a lower domestic demand in power generation, which accounts for 80 percent of Canadian coal consumption in 2015. Metallurgical coal production is forecast to increase by 13 percent between 2005 and 2015, while end-use and net exports are slated to increase by 16 and 59 percent respectively. Overall, Canadian production decreases to 60 Mt in 2015 from 68 Mt in 2005. Canadian coal production will be affected by power generation choices and the competitiveness of Canadian coal in international markets.

Between 2005 and 2015, the reduction of coal-fired generating capacity in Ontario leads to a decrease in domestic demand from 55 Mt in 2005 to 39 Mt in 2015. Canadian net exports of coal are expected to increase 65 percent between 2005 and 2015. The majority of increased exports will come from metallurgical coal used in the iron and steel industry.

In 2005, Canada exported coal to 21 countries on five continents, with an annual value of approximately $2 billion. Global thermal coal demand continues to be strong, particularly in developing countries that use coal for heat and electricity generation.

Greenhouse Gas Emissions

Heightened concern over climate change in recent years has led governments to develop policies to manage emissions. In addition, research and development is underway in an effort to develop more energy efficient equipment and other technological solutions, such as CCS, to reduce GHG emissions. In Canada, many of these programs, policies and technologies are still in the development phase and are therefore not included in the Reference Case or in the Continuing Trends Scenario. Instead, the significant impact that these programs will have on future energy demand and supply trends is explored in the Triple E Scenario.

Greenhouse gas emissions are a function of population, economic growth and energy demand decisions. In the Reference Case, increasing population and economic growth lead to increases in energy demand. As well, GHG intensive fuels, such as refined petroleum products continue to play a dominant role in meeting Canadian's growing need for energy. This results in increased GHG emissions. Total GHG emissions in the Reference Case grow at 1.5 percent annually between 2004 and 2015, close to the historical growth rate of 1.7 percent from 1990 to 2004. The industrial sector has the most rapid GHG emissions growth rate (Figure 3.22). A large portion of this growth can be attributed to expanding oil sands extraction and upgrading. The electric generation sector has the slowest GHG emissions growth (a negative growth rate) as a result of retiring coal-fired generation units.

Greenhouse gas shares and growth rates vary by province. The three largest GHG emitters are Alberta, Ontario and Quebec. In 1990, Alberta accounted for 28 percent of total Canadian GHG emissions. This share increases to 35 percent in 2015. Ontario's share was 30 percent in 1990 and declines to 26 percent in 2015, while Quebec's share drops slightly from 15 to 13 percent.

Overall, GHG emissions levels increase in Canada over the Reference Case; however, GHG emissions intensity, measured as megatonnes of GHG emissions per unit of GDP, declines (Figure 3.23). This implies that fewer GHGs are emitted to produce the same amount of goods and services. This reflects improvements in energy efficiency and a shift towards less GHG intensive fuels (e.g., retiring of Ontario's coal plants). During the Reference Case timeframe, the GHG intensity level declines at 1.4 percent per year, slightly higher than the historical decline rate of 1.1 percent. This increased rate occurs as clean energy technology and efficiency improvements gain momentum.

FIGURE 3.22

Canadian Total GHG Emissions by Sector – Reference Case

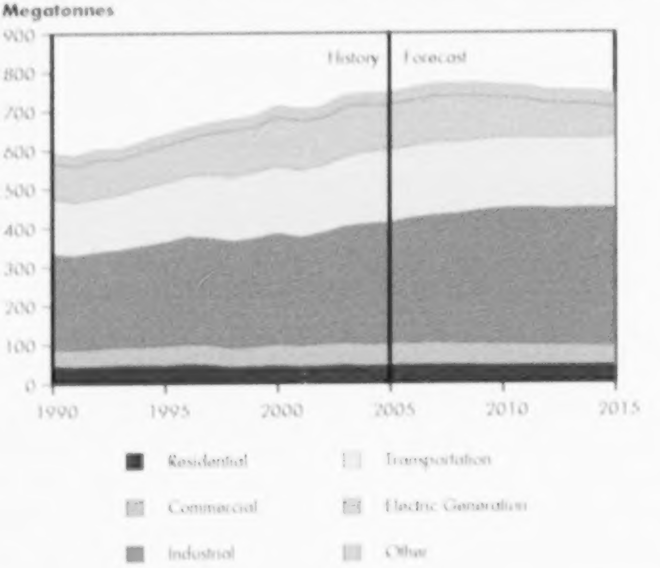
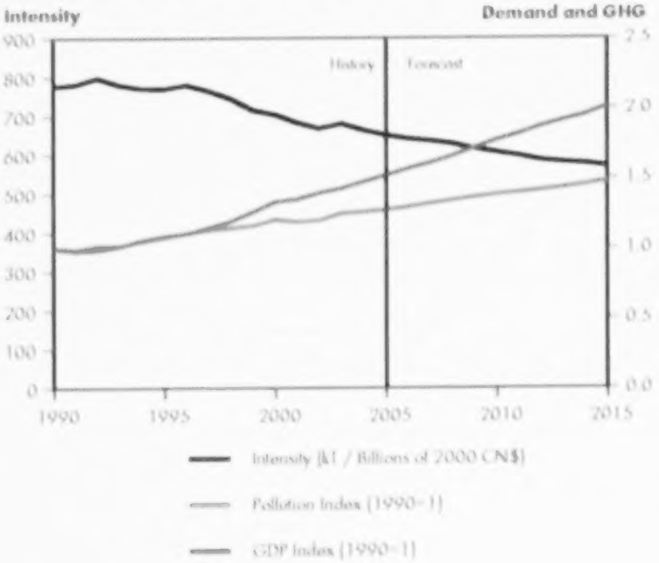


FIGURE 3.23

Canadian Total GHG Intensity – Reference Case



Reference Case Issues and Implications

- Despite higher energy prices than experienced throughout the 1990s, energy demand growth is expected to be robust. This is a result of strong economic performance and growth in personal disposable income. As well, significant changes to energy demand are restricted by established energy using stock.

- Over the immediate decade, Canadians will witness the impact of energy supply decisions and realities, including the following:
    - Rapidly expanding oil sands developments. Changes to refinery configurations will be required to process the synthetic crude oil and bitumen blends produced from the oil sands. As well, this will have implications for pipeline infrastructure.
    - Canada has a large remaining natural gas resource base, but because of the long lead times to access frontier resources, we will remain largely reliant on producing areas of Western Canada.
    - It is expected that coal will be phased out in Ontario and nuclear capacity will be largely restored. Emerging technologies, particularly wind energy, will begin to have a noticeable impact on the generation mix across Canada. Decisions will also be made with respect to large hydro developments in Newfoundland and Labrador, Quebec, Manitoba and British Columbia, posing implications for substantial and unprecedented additions to transmission systems.
- The changing energy landscape during the Reference Case has implications for energy consumers, producers, governments and regulators. Effective development of resources will require goodwill and consideration from all participants.
- The key risks and uncertainties surrounding the Reference Case outlook include the following:
    - An additional 80 million m^3 (500 million b) field is assumed to be found in the relatively unexplored regions of the East Coast, potentially in the Flemish Pass region or in the Deepwater Scotian Shelf, coming on stream in 2015. While these regions have been assigned considerable undiscovered potential, the discovery of such a field, and its timing, is somewhat speculative and depends in large part on the availability of suitable drilling rigs.
    - A pipeline to access gas from the Mackenzie Delta is assumed to begin operating near the end of the period, but such a pipeline will be subject to both obtaining regulatory approval and a commercial decision to proceed.
    - Energy and environmental programs in place today are included in the energy supply and demand projections. This includes Alberta's *Climate Change and Emissions Management Act* scheduled to come into effect on 1 July 2007, which requires existing large industrial facilities to reduce their GHG emissions intensity by 12 percent. However, announced programs or plans for policy development, such as the federal government's plan to introduce industrial GHG emissions targets by 2010, are not included in the Reference Case[48]. The adoption of these programs could have implications for Canada's energy market and the Reference Case outlook.
    - Generation additions reflect the latest information available at the time the analysis was conducted. If Saskatchewan decides not to proceed with the proposed clean-coal project, the province will need an additional source of generation, such as natural gas-fired units. A decision to move ahead with nuclear generation in Alberta would displace other base load generation in the province, either natural gas-fired co-generation or coal-fired units.

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[48] These programs are given consideration in the Triple E Scenario and will be included in future Reference Cases as more details become available.

CHAPTER FOUR

CONTINUING TRENDS

Significant trends apparent at the beginning of the outlook period are maintained throughout the scenario in Continuing Trends. This scenario is characterized by little change and, as such, reflects an expansion of the Reference Case over the long-term.

Scenario Overview (2005-2030)

Global Forces

At the beginning of the Continuing Trends Scenario, high energy prices spur investment in energy supplies and infrastructure around the world. As a result of increasing supply, energy prices moderate. Prices do not return to the low levels of the 1990s due to higher exploration and production costs for unconventional energy and ever-increasing world energy demand.

Over the scenario time frame, a number of significant events occur; however, nothing is momentous enough to significantly alter the path that the world was on in 2005. The world continues to consume enormous, and increasing, amounts of energy, most of which is based on fossil fuels. The link between economic growth and energy use is still strong, albeit weakening due to the continuing trend of energy efficiency improvements.

There continues to be an uneven distribution of energy production and consumption. Energy supplies are concentrated in a few countries and large energy-consuming regions continue to be dependent on these supplies. Despite this concentration, markets are generally reliable and competitive. Energy sellers and consumers recognize the economic benefits of an expanded market. However, geopolitical incidents continue to cause energy market volatility.

The demand for environmental improvements continues to grow globally. It is difficult and time consuming to negotiate international agreements. As a result, environmental issues are largely dealt with in isolation and there are few institutional frameworks to deal with environmental, social and economic issues in unison. Reductions in environmental emissions are largely achieved through business-as-usual improvements in energy efficiency and stock turnover rates.

Canadian Outcomes

The global forces in this scenario are reflected in the Canadian outcomes. Continuing Trends continues to see strong Canadian energy demand growth as well as robust energy production outlooks.

TABLE 4.1

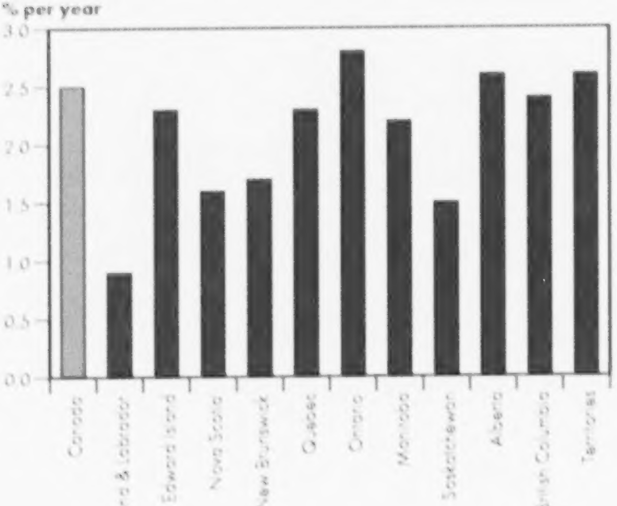
Key Macroeconomic Variables – Continuing Trends 2004-2030

	1990-2004	2004-2030
Population	1.0	0.7
Labour force	1.3	0.8
Productivity	1.4	1.5
Gross domestic product	2.8	2.5
Goods	2.5	2.7
Service	3.0	2.4
Real disposable income	3.6	4.2
Exchange rate (average cents US/Cdn dollar)	74	101
Inflation rate (average %)	2.3	1.7

(Annual Average Growth Rate (% per year) unless otherwise specified)

FIGURE 4.1

Real GDP Growth Rates – Continuing Trends 2004-2030



Macroeconomic Outlook

In the Continuing Trends Scenario, population growth slows to 0.7 percent per year (Table 4.1). The slowing population growth and retirements by the baby-boom generation result in a deceleration in labour force growth. Over the outlook period, labour force growth averages 0.8 percent per year. Productivity measured as output per employee improves to 1.5 percent per year over the next 25 years. These two factors combined result in Canadian gross domestic product (GDP) averaging 2.5 percent per year growth (Figure 4.1). This is slightly slower than historic rates as increased productivity does not fully compensate for the lower labour force growth. To achieve a higher growth rate or to maintain economic growth at current levels would require much more aggressive improvements in productivity or increases in immigration levels.

The structure of the Canadian economy remains fairly stable. By

2030, the goods producing sector continues to account for one-third of the GDP and the service sector accounts for two-thirds.

The regional distribution of Canadian economic growth also remains constant with Ontario, Alberta, British Columbia and the Territories leading economic growth in the country.

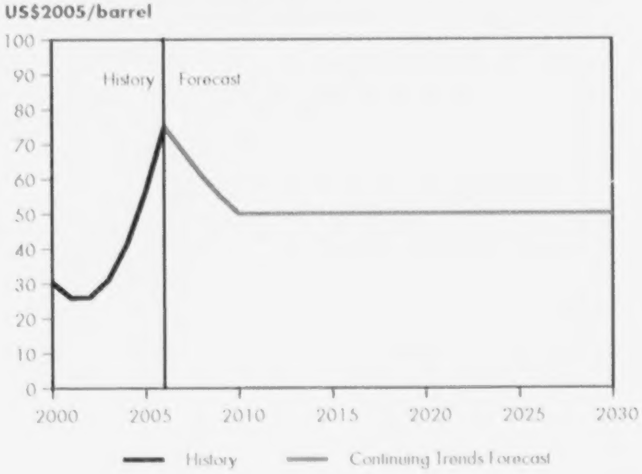
Energy Prices

Crude Oil Prices

Recent high crude oil prices encourage consumers to curb energy demand and bring on additional supplies of energy leading to a moderation of prices. The Reference Case assumes that crude oil prices will fall to US$50/barrel and remain at this level until the end of the reference period. The Continuing Trends Scenario maintains this assumption past the Reference Case time horizon to 2030 (Figure 4.2).

FIGURE 4.2

West Texas Intermediate Crude Oil Price at Cushing, Oklahoma – Continuing Trends

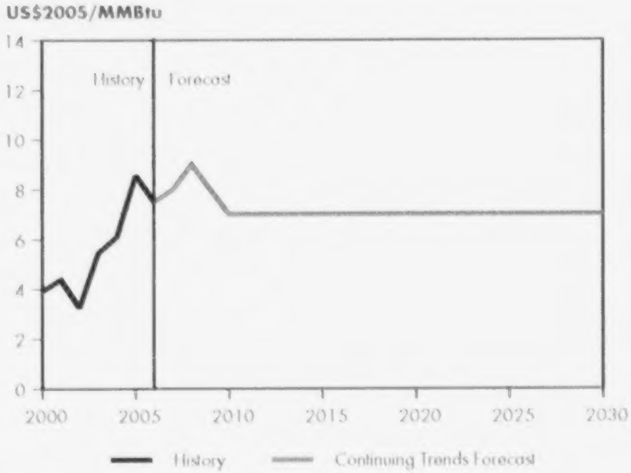


Natural Gas Prices

In Continuing Trends, the historic relationship between crude oil and natural gas prices is maintained. As a result, natural gas prices for the majority of the scenario remain at US$6.65/GJ (US$7/MMBtu) (Figure 4.3).

FIGURE 4.3

Natural Gas Price at Henry Hub, Louisiana – Continuing Trends



Electricity Prices

In Continuing Trends, prices continue to rise with the need for new generation assets to accommodate growth (e.g., gas-fired, hydro, wind and biomass) and the need to replace ageing facilities (e.g., nuclear assets in Ontario)[46].

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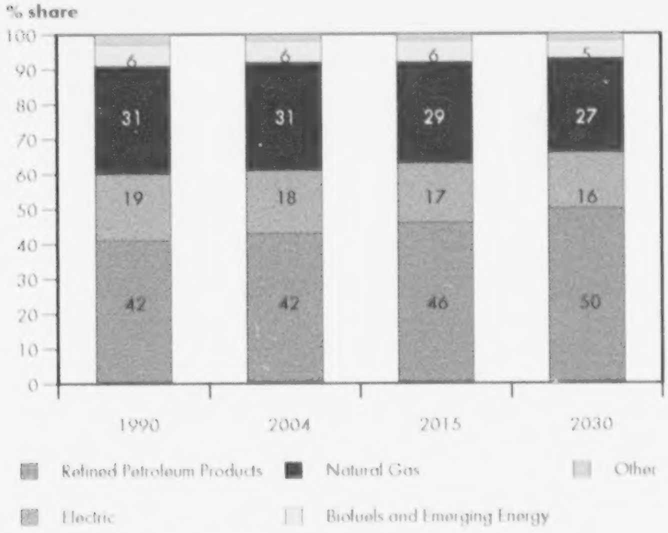
[46] Regional prices are provided in Appendix 5.

FIGURE 4.4

Canadian Total Secondary Energy Demand by Fuel – Continuing Trends



('Other' includes coal, coke, coke oven gas, and steam)

Demand Management Programs

Demand management programs include demand-side management (DSM), specifically energy conservation and energy efficiency, as well as demand response (DR). Demand-side management refers to long-term, sustainable load reduction. The concepts of DSM have existed for decades. Previous programs were generally low-tech, such as turning down the thermostat, and relied on publicly-funded information campaigns. New technology, particularly in automation and controls, is already defining the possibilities for future demand-side management programs. Many new homes are already wired as 'smart homes' where lights, security systems, heating or cooling, and major appliances can all be computer controlled. Energy use can be optimized to match the need. A simple household 120V power bar is now available that shuts off all loads automatically when loads have been inactive for more than an hour.

Demand response, also known as load shedding or load shifting, is desirable in a constrained supply market where occasional load reduction is preferable to sourcing new generation. Demand response programs are available for large power users, generally in the industrial sector, who have the option of temporarily reducing power consumption. These programs offer the customer a financial incentive to offer committed power back into the grid. Due to the relative inelasticity of the electric market, peak load power costs can be up to ten times the base load price. Reducing loads during these times improves grid reliability and market efficiency.

Coal Prices

After the uplift accounted for by higher oil and gas prices in recent years, coal prices are projected to decline gradually in the near term as the result of competitive pressures and continuing productivity increases in mining and rail transportation. However, as opportunities for resource development become more costly, prices rise gradually through the remainder of this scenario.

Energy Demand

Continuing Trends extends the assumptions made in the Reference Case out to 2030.

Total Secondary Energy Demand Trends

Canadian total secondary energy demand in the Continuing Trends Scenario grows at a rate of 1.0 percent per year over the 2015 to 2030 period (Figure 4.4). The decrease in energy demand growth from the Reference Case is primarily due to slower economic growth in the latter years of the Continuing Trends forecast. The overall Canadian demand intensity improvements are 1.1 percent per year over the scenario outlook.

As of 2030, the three largest energy consumers are Ontario, Alberta and Quebec. Ontario accounts for 31 percent of total secondary energy demand in Canada, Alberta accounts for 30 percent and Quebec 18 percent. Provincial population, personal disposable income and economic activity assumptions, as described in the macroeconomic section of this chapter, all affect provincial energy demand. Total secondary energy demand growth rates vary by province, with Alberta, Ontario and the Territories all having growth rates higher than the Canadian average.

Continuing on a trend established in the Reference period, oil's share of the fuel mix continues to increase (Figure 4.4). This increase is primarily attributable to the rapid expansion of oil sands activity in Western Canada with the use of oil by-products as an on-site fuel source. Natural gas and electricity energy demand continue to grow over the forecast, but not at the same rate as oil. As well, there is some moderating of electricity demand growth as a result of increasing electricity prices. The absolute value of biofuels and emerging energy demand increases, but its share decreases from six percent in 2004 to five percent by 2030.

Residential Secondary Energy Demand

Canadian residential secondary energy demand grows at a rate of 1.0 percent per year over the 2004 to 2030 period (Figure 4.6). Higher personal disposable income enhances a continuation of the trends for consumer goods and services. Energy efficiency simply cannot compete with the income effect. However, in the latter years of the Continuing Trends Scenario, energy demand moderates to 0.5 percent per year as a result of decelerating population growth and slower income growth. Fuel shares by province vary and follow the same patterns as the Reference Case.

FIGURE 4.5

Canadian Total Secondary Energy Demand Intensity – Continuing Trends

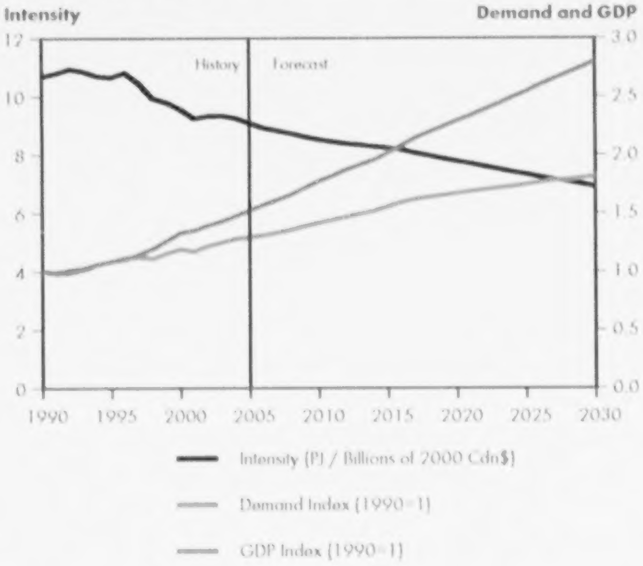


FIGURE 4.6

Canadian Residential Secondary Energy Demand by Fuel – Continuing Trends

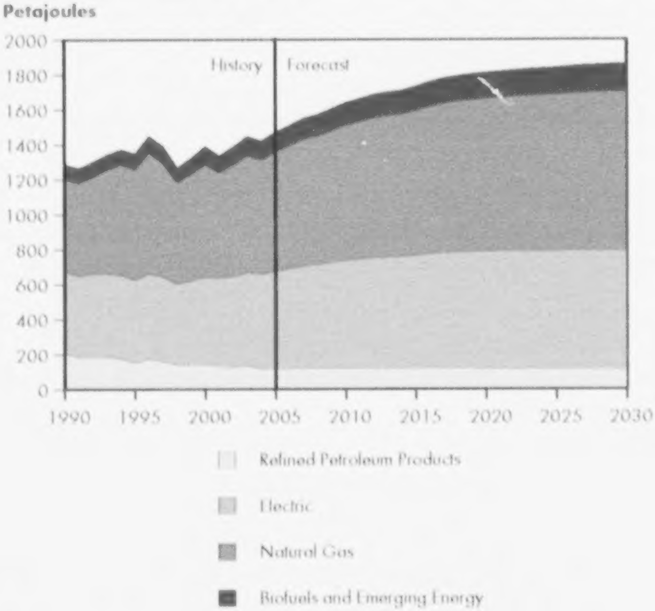


FIGURE 4.7

Canadian Commercial Secondary Energy Demand by Fuel – Continuing Trends

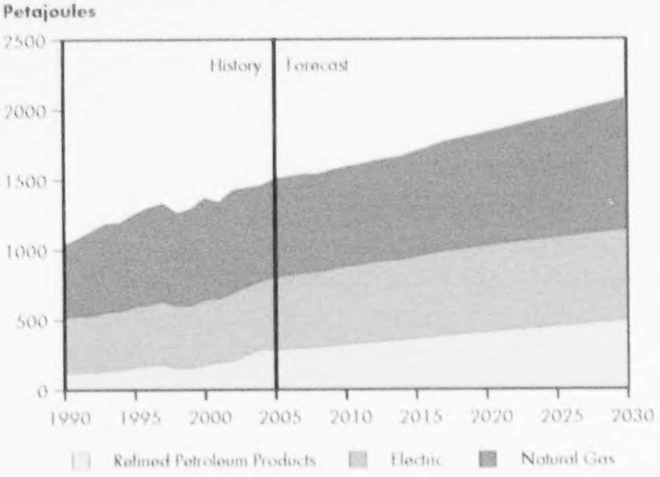
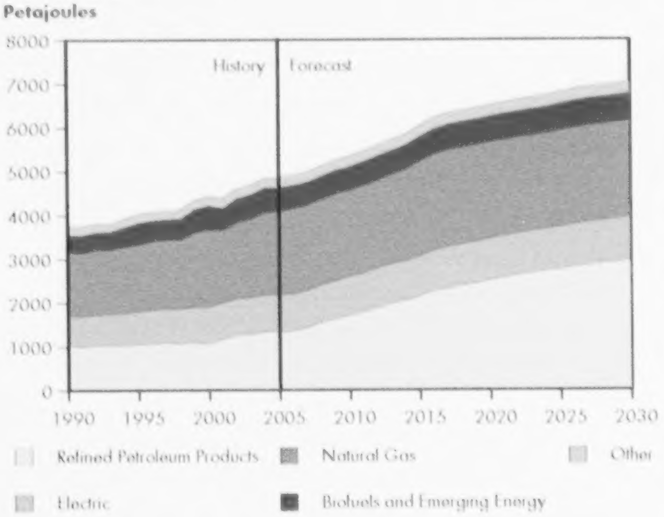


FIGURE 4.8

Canadian Industrial Secondary Energy Demand by Fuel – Continuing Trends



('Other' fuel includes coal, coke, coke oven gas, steam, naphtha)

Commercial Secondary Energy Demand

Canadian commercial secondary energy demand grows at an average rate of 1.4 percent per year over the entire 2004 to 2030 period (Figure 4.7). Population is a primary driver of service sector growth, which determines commercial energy demand. The decelerating population assumption leads to lower growth expectations in the service sector. This economic assumption, combined with higher electricity prices and the backlog of energy efficiency prospects in commercial buildings (mostly lighting and recommissioning), results in slower than historical energy demand growth.

The demand shares by fuel for Canada from 2004 to 2030 indicate some fuel-switching into oil from natural gas and electricity, although, some commercial sector data allocation issues could distort fuel shares.

Industrial Secondary Energy Demand

Economic growth in the goods producing sector combined with a favourable oil sands production profile result in Canadian industrial secondary energy demand growth of 1.1 percent per year over the 2004 to 2030 period. As can be seen in Figure 4.8, energy demand growth is slower in the latter part of the scenario. This is a consequence of slowing economic growth and more moderate expansion of oil sands activity.

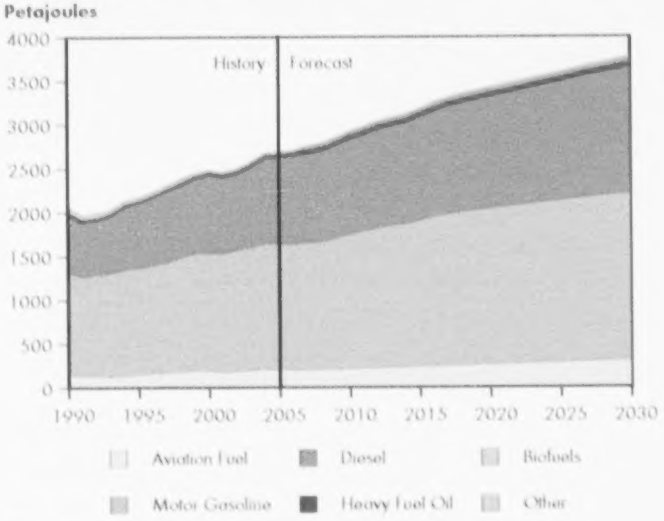
In 2030, the largest provincial energy consumer in the industrial sector is Alberta, accounting for 43 percent of industrial energy demand in Canada. Ontario accounts for 26 percent and Quebec follows at 16 percent of industrial demand.

Transportation Energy Demand

Canadian transportation energy demand grows at 1.3 percent per year over the 2004 to 2030 timeframe and at 1.1 percent per year over the 2015 to 2030 period (Figure 4.9). Higher commodity prices, slightly lower economic growth rates, and efficiency improvements result in lower transportation energy demand in the future. The renewables share increases from near zero to one percent by 2030 due to the assumed ethanol policies in Ontario and Saskatchewan[47]. The off-road share remains strong at 16 percent over the forecast with robust activity in the oil sands, agriculture and construction industries.

FIGURE 4.9

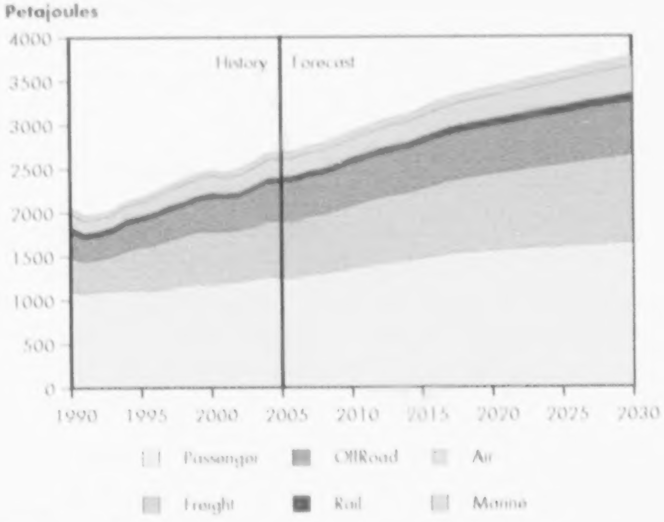
Canadian Transportation Energy Demand by Fuel – Continuing Trends



('Other' includes electricity, LPG, lubricants and natural gas)

FIGURE 4.10

Canadian Transportation Energy Demand by Mode – Continuing Trends



Oil Supply

Crude Oil and Equivalent

In Continuing Trends, the extrapolation of existing trends combined with reasonably attractive oil prices allows for the preservation of historical declines in WCSB conventional crude oil production and east coast offshore production. Expansion in oil sands production levels also continue.

Crude Oil and Bitumen Resources

Canadian crude oil and bitumen resources are the same in the Reference Case and all three scenarios[48].

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[47] The Ontario assumption is 5 percent ethanol volume (3.4 percent energy) of total gasoline use in the province by 2007. The Saskatchewan assumption is 7.5 percent ethanol volume (5.1 percent energy) of total gasoline use in the province by 2007.

[48] Canadian crude oil and bitumen resources are detailed in Chapter 3 and in Appendix 3.

FIGURE 4.11

Total Canada Oil Production – Continuing Trends

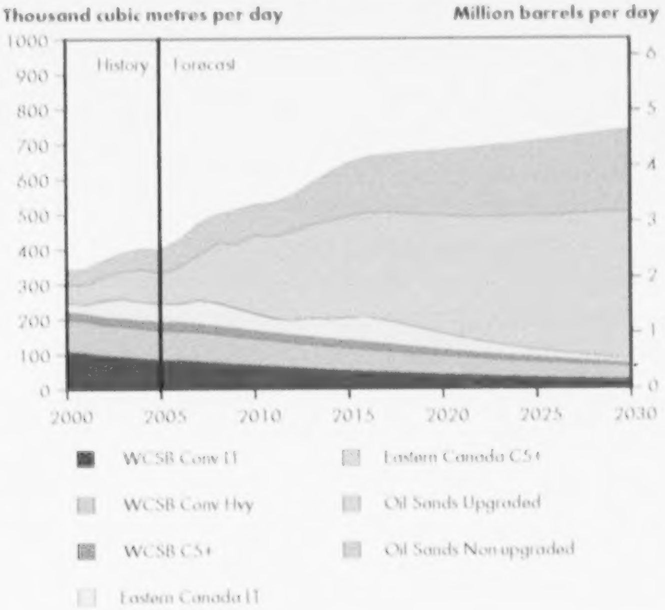
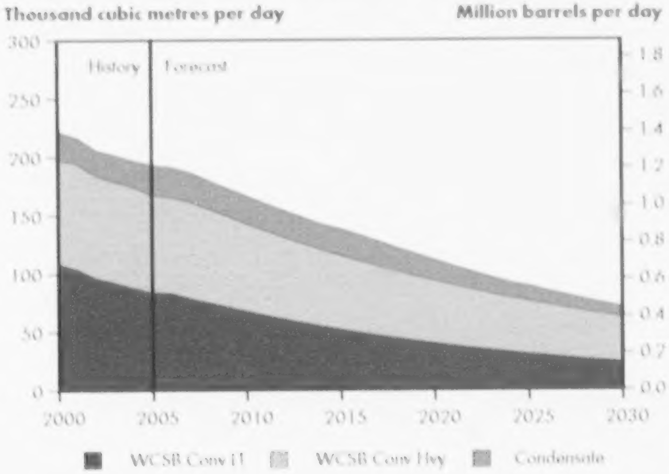


FIGURE 4.12

WCSB Conventional Oil Production – Continuing Trends



Total Canada Oil Production

In the Continuing Trends Scenario, production expands by about 2.0 percent per year until 2015, supported by increasing oil sands mining, in-situ production and by the east coast offshore activity (Figure 4.11). Production expansion gradually declines to about 0.7 percent per year by 2030, with production reaching 740 000 m³/d (4.66 million b/d). Oil sands production plays an increasingly dominant role, accounting for 90 percent of total Canadian oil production by 2030.

Conventional Crude Oil – WCSB

While reasonably attractive oil prices allow for significant reserves additions from new discoveries, infill drilling and improved recovery techniques, these additions are only sufficient to maintain production at the long-term decline trends shown.

For conventional light crude oil, the long-term declining trend of five percent per year is maintained, consistent with a mature supply basin.

Alberta and Saskatchewan are the primary sources of conventional heavy crude oil, with British Columbia contributing minor amounts. Similar to light oil, the long-term declining trend of 3.5 percent per year is maintained for heavy oil, consistent with a mature supply basin.

In the Continuing Trends Scenario, conventional light oil production declines to 23 700 m³/d (149 thousand b/d) and conventional heavy oil production declines to 38 300 m³/d (241 thousand b/d) by 2030 (Figure 4.12). By 2030, conventional production in the WCSB is 37 percent of 2005 rates. Condensate production levels decline to 9 500 m³/d (60 thousand b/d).

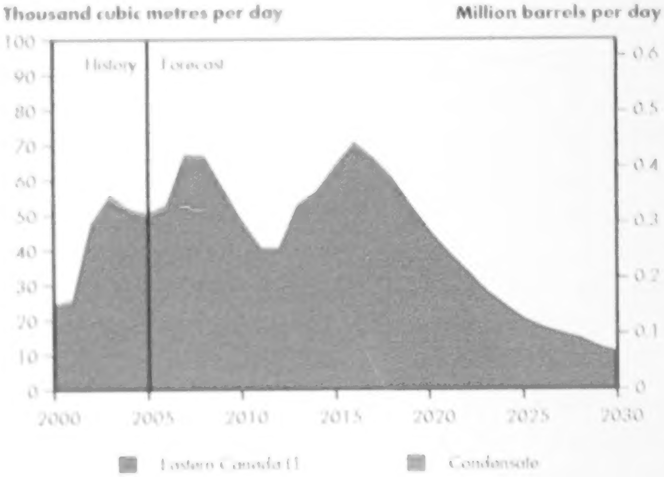
Eastern Canada Light Crude Production

Projections for eastern Canada oil production are dominated by the east coast offshore, with only minor amounts of production expected from Ontario.

As with the Reference Case, Continuing Trends includes Hebron production starting in 2013, contributions from smaller satellite pools in the Jeanne d'Arc Basin, and a 80-million cubic metre (500 million barrel) sized pool in the relatively unexplored regions of the East Coast commencing production in 2015 (Figure 4.13). Production peaks in 2016 at 69 600 m³/d (438 thousand b/d), after which a relatively rapid decline begins. By 2030, production declines to 10 300 m³/d (65 thousand b/d).

FIGURE 4.13

Eastern Canada Light Crude Production – Continuing Trends



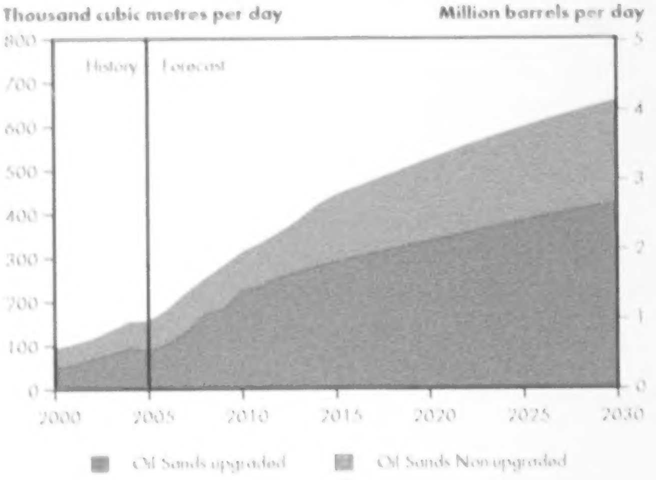
Oil Sands Supply

The projections of oil sands derived production in the Continuing Trends Scenario are essentially based on an extrapolation of trends presented in the Reference Case. It is assumed that cost pressures moderate over time from the current situation. Additional annual incremental capacity decreases over time, as limits to growth are approached, consistent with typical hydrocarbon resource growth curves.

These projections represent both upgraded and non-upgraded oil sands supply from mining, in-situ and primary bitumen sources (Figure 4.14). Primary or cold production levels increase one percent annually in all scenarios.

FIGURE 4.14

Canadian Oil Sands Production – Continuing Trends



Production from Saskatchewan oil sands deposits are assumed to start in 2017, reaching a level of 10 100 m³/d (64 thousand b/d) by 2030.

In Continuing Trends, the assumptions on price and light/heavy differentials generate sufficient cash flow for oil sands operators to expand production levels, with production reaching 658 000 m^3/d (4.15 million b/d) by 2030. Upgraded bitumen volumes total 423 000 m^3/d (2.67 million b/d) while non-upgraded volumes total 235 000 m^3/d (1.48 million b/d).

Regarding the natural gas requirements for oil sands operations, the trends established in the Reference Case are extended out to 2030. Thus, the assumption of a one percent annual improvement in energy efficiency for ongoing operations is maintained, and the application of bitumen gasification

Alternative Fuels for Oil Sands

The recovery and upgrading of bitumen from the oil sands is an energy-intensive endeavour. Natural gas, which is a reliable and clean-burning source of energy, and historically inexpensive, came to be relied on as the major source of energy for bitumen extraction and electricity generation, and of hydrogen required for upgrading. However, a tightening North American natural gas market has resulted in higher and more volatile gas prices. Oil sands operators are seeking ways to reduce their exposure to natural gas. Several developing alternatives to using natural gas could be available.

A number of projects are planned that feature the gasification of bitumen residue in various forms to produce hydrogen for use in upgrading and a synthetic gas for thermal extraction purposes and electricity generation. The Long Lake SAGD/Upgrader project operated by OPTI Canada and Nexen Inc. will be the first project in Canada's oil sands to utilize gasification of bitumen, while Suncor Energy Inc. is considering plans to gasify petroleum coke for its Voyageur 2 upgrader in 2012. North West Upgrading plans an independent upgrader that will use residual hydrocracked bottoms to produce hydrogen and synthetic fuel. Quadrise Canada has developed a process termed Multiphase Superfine Atomized Residue (MSAR) that features the combustion of a bitumen/water emulsion as a fuel source. This process has been tested at the TOTAL Joslyn SAGD project and offers the advantage of being a lower cost fuel than natural gas.

Petrobank Inc. has been pilot testing its in-situ combustion process, termed THAI™ (toe-to-heel air injection) at its Whitesands project. As most of the required energy is derived from the reservoir, natural gas use is significantly reduced.

In order to improve recovery and process efficiency, and thereby reduce natural gas usage, the addition of solvent to injected steam volumes in both cyclic steam stimulation (CSS) and SAGD projects has been tested by Imperial Oil and Encana, among others. Vapour extraction processes, which feature the injection of a cold solvent vapour, is being piloted in several projects. An industry consortium, GeoPower in the Oil Sands (GeoPOS) has been formed to investigate the economic and technical feasibility of employing geothermal energy for oil sands production. Geothermal energy could potentially provide a constant, predictable, price-stable source of energy that releases virtually no greenhouse gas (GHG) emissions or other airborne pollutants.

Nuclear energy for oil sands use has been proposed and, similar to geothermal, offers the advantage of a constant, reliable source of energy with little GHG emissions. However, high initial capital costs, security issues and concerns on the part of the general public regarding safe disposal of radioactive waste may preclude early implementation of this technology.

Additional information on natural gas requirements for oil sands can be located on several industry and government web sites:

www.capp.ca; www.eub.ca; www.quadrisecanada.com; www.petrobank.com; and, www.energyab.com and other technologies such as THAI™, MSAR and vaporized extraction (VAPEX), continue to gain momentum.

In Continuing Trends, the effect of ongoing efficiency improvements and adoption of alternative fuels reduces the purchased natural gas intensity from 0.67 Mcf/b in 2005 to 0.47 Mcf/b in 2030. Total purchased natural gas requirements, excluding on-site electricity requirements, reach 53.8 million m³/d (1.9 Bcf/d) by 2030.

Supply and Demand Balances

The supply and demand balances for Continuing Trends from 2000 to 2015 are the same as for the Reference Case. Petroleum product demand increases from 392 400 m³/d (2.47 million b/d) in 2015 to 486 300 m³/d (3.06 million b/d) in 2030.

Light Crude Oil – Supply and Demand Balance

Exports of light crude oil remain relatively constant from 258 300 m³/d (1.63 million b/d) in 2015 to 266 900 m³/d (1.68 million b/d) in 2030 (Figure 4.15).

Heavy Crude Oil – Supply and Demand Balance

Exports of heavy crude oil increase from 178 900 m³/d (1.1 million b/d) in 2015 to 233 900 m³/d (1.47 million b/d) in 2030 (Figure 4.16).

FIGURE 4.15

Supply and Demand Balance, Light Crude Oil – Continuing Trends

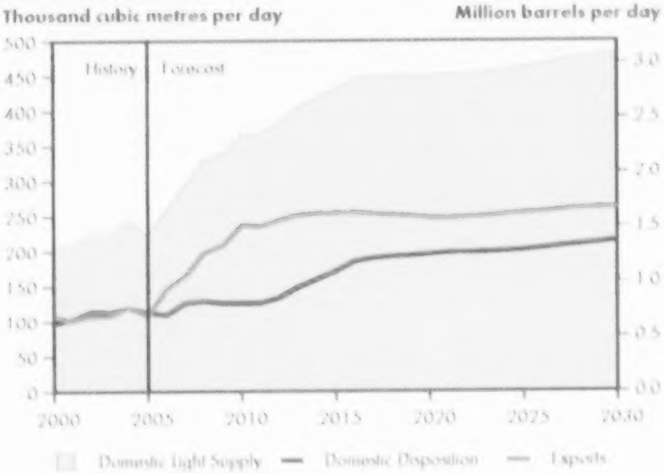
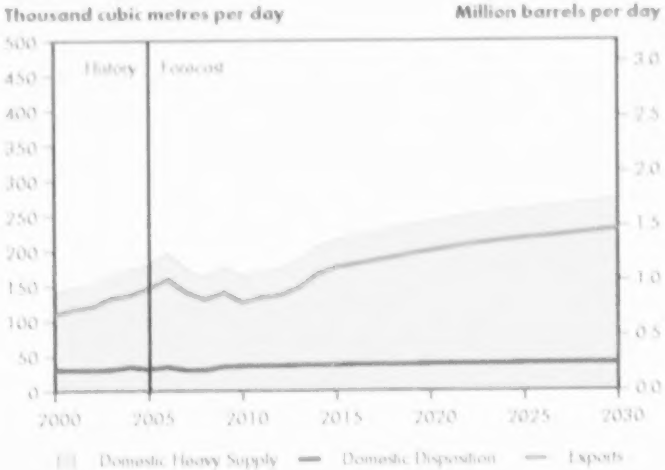


FIGURE 4.16

Supply and Demand Balance, Heavy Crude Oil – Continuing Trends



Natural Gas Supply

Canadian Natural Gas Resource Base

Continuing Trends adopts the same estimate for the Canadian natural gas resource base as the Reference Case. The relatively greater draw on conventional natural gas resources over the 2005 to

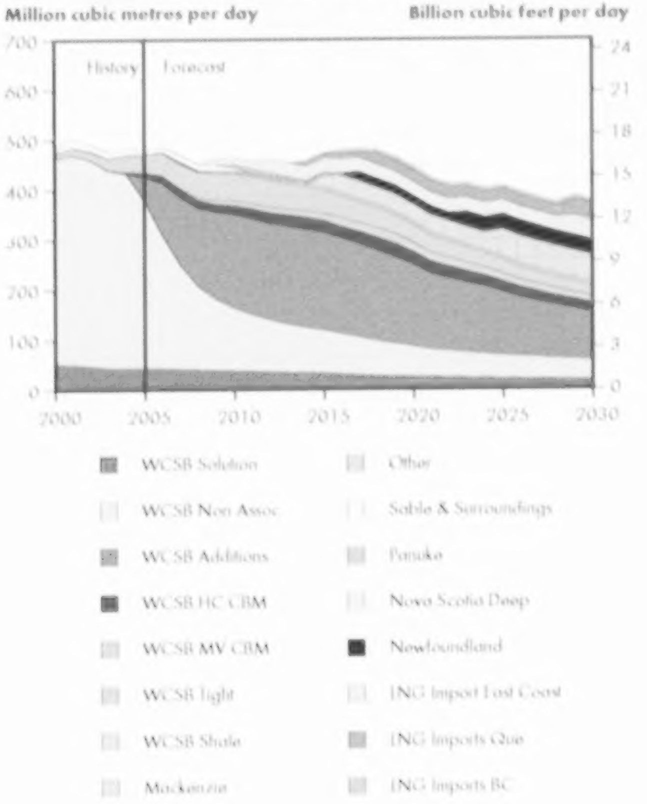
2015 period results in the remaining resource base in Western Canada at the beginning of 2016 being slightly less weighted toward conventional resources (i.e., 2 351 billion cubic metres of conventional compared to remaining unconventional resources of 1 501 trillion cubic metres [83 trillion cubic feet of conventional compared to remaining unconventional resources of 53 trillion cubic feet]). By the end of 2015, roughly 765 billion cubic metres (27 trillion cubic feet) of the original 1 416 billion cubic metres (50 trillion cubic feet) of established conventional reserves will have been consumed, with another 425 billion cubic metres (15 trillion cubic feet) used between 2016 and 2030.

Production and LNG Imports

Relative to the almost 484 million m³/d (17.1 Bcf/d) of annual output in 2005, Canadian natural gas production is expected to decline by almost 40 percent to 297 million m³/d (10.5 Bcf/d) by the end of 2030, as shown in Figure 4.17. The production decline represents a relatively constant level of natural gas drilling at roughly 18 000 wells drilled per year and ongoing reductions in initial well productivity. After 2015, WCSB conventional gas provides just 60 percent of production, while unconventional production accounts for 22 percent (compared to 79 percent and 12 percent, respectively, for the 2005 to 2015 period). Assuming no significant new discoveries, offshore Nova Scotia gas production (Sable and Deep Panuke[49]) would likely have ended operations by 2020.

FIGURE 4.17

Natural Gas Production Outlook – Continuing Trends



By 2017, it is assumed that sufficient oil production will have occurred from projects on the Grand Banks of Newfoundland and that the associated gas formerly retained for pressure maintenance would start to become available for market. Production volumes are projected to increase to 28 million m³/d (1 Bcf/d) and produce almost 99 billion cubic metres (3.5 trillion cubic feet) through 2030. Possible options for delivering this gas to regional markets may include compressed natural gas (CNG) tankers, a liquified natural gas (LNG) project, or a sub-sea pipeline.

Subject to regulatory approval and a commercial decision to proceed, a Mackenzie gas pipeline is assumed to deliver 34 million m³/d (1.2 Bcf/d) until 2025, when throughput would increase to

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[49] Deep Panuke project is subject to obtaining regulatory approval and a commercial decision to proceed.

54 million m³/d (1.9 Bcf/d). Throughput in excess of 23 million m³/d (0.8 Bcf/d) reflects production from sources outside the three anchor fields discovered in the 1970s and could include offshore projects in the Beaufort Sea.

By 2030, LNG imports average 81 million m³/d (2.9 Bcf/d) or the equivalent of roughly 27 percent of Canadian domestic natural gas production. This level of imports may be accommodated through an estimated five import terminals ranging in capacity from 14 to 28 million m³/d (0.5 to 1.0 Bcf/d).

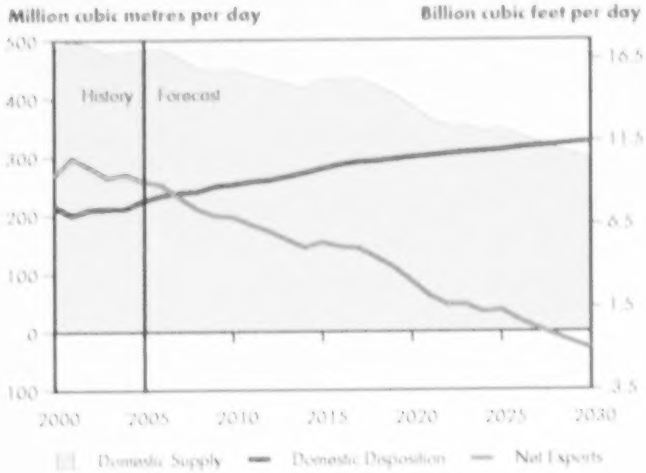
Supply and Demand Balance

After 2015, growth in gas demand for oil sands operations slows due to the adoption of alternative technologies and fuels in the latest generation of projects. The use of natural gas for power generation continues to increase, but slows somewhat toward the end of the scenario as new clean coal and nuclear facilities enter service.

By 2028, Canadian domestic gas consumption is estimated to be equivalent to Canadian domestic gas production and Canada's position as a net gas exporter would potentially come to an end, as shown in Figure 4.18. Physical exports and imports of natural gas between the U.S. and Canada would likely continue on a region-specific and seasonal basis in response to varying market conditions. Liquefied natural gas imports into Canada and the U.S. would supplement production in both countries to maintain balanced market conditions and enable the relatively stable pricing conditions incorporated in the scenario.

FIGURE 4.18

Supply and Demand Balance, Natural Gas – Continuing Trends



Natural Gas Liquids

Supply and Disposition

Continuing Trends indicates excess volumes of propane and butanes available for export throughout the projection period[50].

Ethane Supply and Demand Balances

In Continuing Trends, the decline in conventional ethane supply continues through 2030, reflecting the long-term decline of WCSB natural gas production (Figure 4.19). Similarly, ethane feedstock demand is assumed to grow at the same rate as the Reference Case; however, demand for improved oil recovery (IOR) is lower in the Continuing Trends Scenario than in the Reference Case, as some of the miscible flood projects are likely to end by 2015. In addition, increments of ethane supply related

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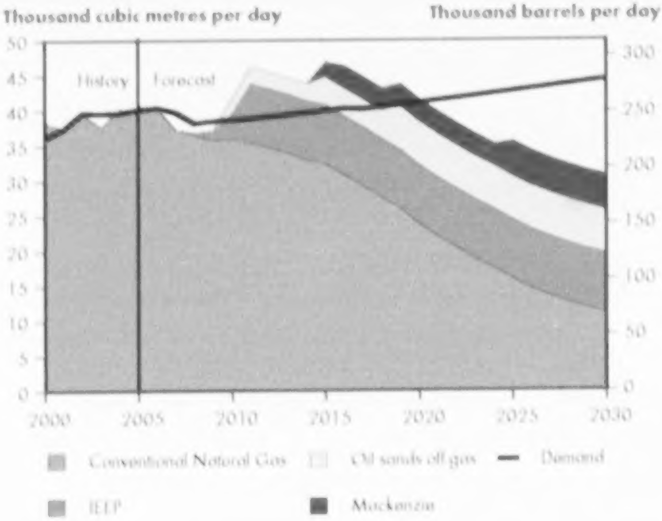
[50] Further detail on propane and butane supply, demand and potential exports can be found in Appendix 3.

FIGURE 4.19

Canadian Ethane Supply and Demand Balance – Continuing Trends



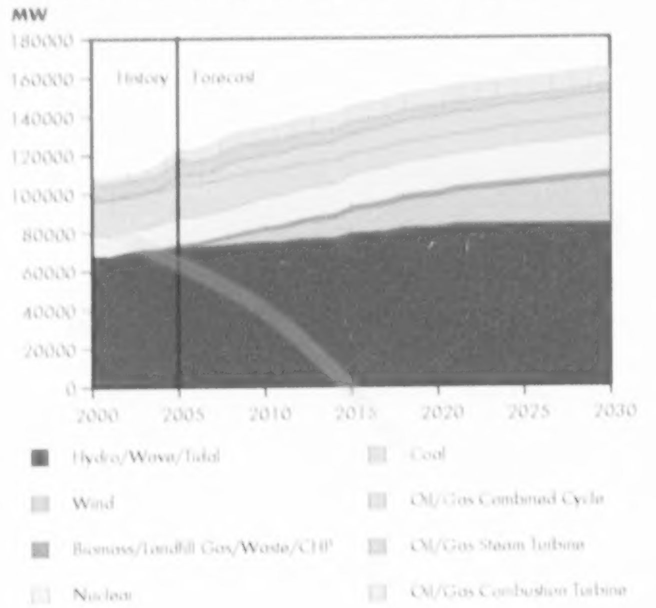
to straddle plant capacity expansion, oil sands off-gas and development in the Mackenzie Delta are expected to play a bigger role in supplementing supplies from conventional gas production in the longer term. In particular, it is expected that incremental ethane supplies from unconventional sources will contribute about 64 percent of total ethane supply by 2030, with about 5 000 m^3/d (31 thousand b/d) from Mackenzie Delta gas (assuming the natural gas stream contains about four percent ethane and the project proceeds) and about 14 600 m^3/d (92 thousand b/d) from enhanced deep-cut facilities and oil sands off-gas. However, even with incremental ethane supply, demand from Alberta ethylene plants exceeds supply by 2025, with the shortfall increasing to about 13 700 m^3/d (86 thousand b/d) by 2030.

Electricity Supply

Capacity and Generation

FIGURE 4.20

Canadian Generating Capacity – Continuing Trends



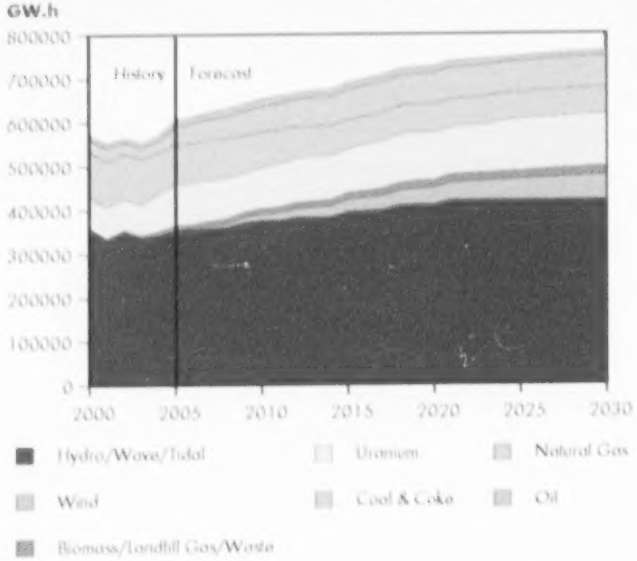
In the Continuing Trends Scenario, demand growth encourages the development of both traditional generation sources and alternatives to conventional generation. However, generation capacity additions moderate from the relatively high growth of the Reference Case. Generation capacity will increase 34 percent between 2005 and 2030, and 12 percent, or 19 600 MW, between 2016 and 2030 (Figure 4.20). Generation growth averages one percent annually over the latter half of the forecast period (Figure 4.21).

Hydro

Hydroelectric generation will continue to play an important role in meeting Canadian electricity demand, with the share of hydro-based generation increasing from 65 percent in 2016 to 68 percent in 2030. This will constitute additions of 4 400 MW between 2016 and 2030, for a total of 12 000 MW of new hydroelectric energy added between 2005 and 2030.

FIGURE 4.21

Canadian Generation – Continuing Trends



Between 2016 and 2030, several hydro facilities will be constructed, including the Peace River Site C (900 MW) in British Columbia, Conawapa (1 380 MW) and Gull/Keeyask (600 MW) in Manitoba, and 1 125 MW of new hydroelectric generation in Quebec.

Nuclear

In the Continuing Trends Scenario, nuclear additions occur in Ontario and New Brunswick. In Ontario, a 1 000 MW Advanced Canadian Deuterium (CANDU) Reactor (ACR) is added in 2016 to replace retiring coal units, and two 1 000 MW units are added in 2028 and 2030 when the units at Pickering Station A are retired. In New Brunswick, a 1 000 MW ACR is added in 2024 to replace retiring oil-fired and Orimulsion-fired steam units.

Natural gas-fired

Investment in gas-fired generation slows relative to the Reference Case, due to lower demand. Combined-cycle generation adds 790 MW. There are 910 MW of combustion turbine and cogeneration facilities constructed, and there is a decrease of 2 000 MW of steam turbine generation. From 2016 onward, the share of output from natural gas-fired generation remains constant, meaning that gas will continue to be relied upon to meet demand, but there will not be an increasing use of gas-fired generation.

Coal-fired

Total coal-fired generation capacity is projected to increase by 331 MW during the forecast period. In Alberta, new cogeneration and integrated gasification combined cycle (IGCC) generation is employed in order to help meet load requirements and to replace retiring traditional pulverized coal-fired generation. Five new 360-MW IGCC units are added in the last two decades of the outlook period. Combined with retirement of existing units, these additions result in total coal capacity in Alberta declining by 517 MW. An additional 360 MW of IGCC coal-fuelled generation is added in each of New Brunswick, Ontario and Saskatchewan and Nova Scotia.

Oil-fired

During the Continuing Trends Scenario, declines in the share of oil-fired generation continue. Older steam units continue to be replaced by natural gas-fuelled combined-cycle generation units and those remaining continue to be employed less and less frequently. Diesel internal combustion generation units continue to be the main source of energy in the Territories. In 2020, retiring oil-fired generation in Newfoundland is replaced with a 180 MW natural gas-fired combined-cycle generation unit.

Emerging Technologies

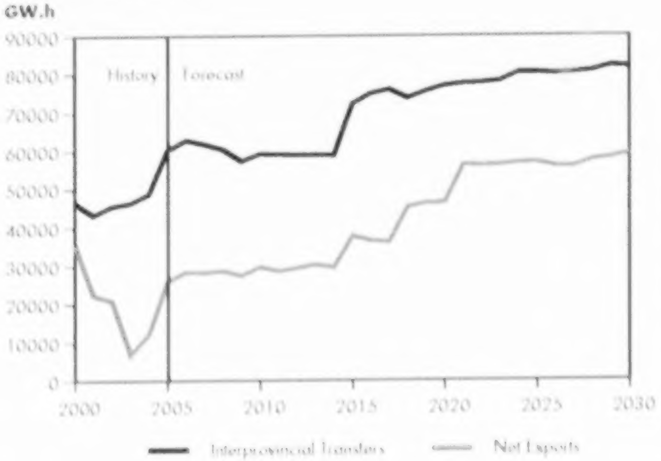
The pace of wind development is still strong in the Continuing Trends Scenario, although it slows relative to the Reference Case, as the increasing amount of wind generation makes it more of a challenge to integrate wind in the grid. Wind power almost doubles its share of the total generation mix, increasing from just over nine percent in 2016 to 20 percent in 2030. Total wind power increases from 11 400 MW in 2016 to 24 000 MW in 2030. Likewise, the rate of growth for wind power generation decreases but continues to grow. By 2030, 57 000 GW.h will be generated by wind power, whereas 29 600 GW.h are forecast for the year 2016. The pace of growth for other emerging generation technologies slows, but overall expands by 23 percent or 675 MW.

Exports, Imports and Interprovincial Transfers

Canadian net exports increase by 108 percent from 2006 to 37 600 GW.h in 2030, due in large part to expansion of hydro generation in Manitoba, British Columbia and Labrador. A 30 percent increase in interprovincial transfers to 81 800 GW.h in 2030 also allows hydro provinces to buy cheap power during off peak periods, saving water in reservoirs for export sales during peak hours (Figure 4.22).

FIGURE 4.22

Interprovincial Transfers and Net Exports – Continuing Trends



Coal

Supply and Demand

Despite economic growth, domestic demand and imports of thermal coal are down due to the eventual closure of all Ontario coal-fired generation. Also, it is assumed that new coal-fired generation utilizes advanced technology. Integrated Gasification Combined Cycle is used especially after 2019 when the technology is employed for new baseload generation, replacing ageing plants in the western provinces, Nova Scotia and New Brunswick.

Coal demand and production is highest in Continuing Trends due to the high demand. Coal production decreases to 62 Mt in 2030 from 68 Mt in 2005, which is nonetheless the highest production among the three scenarios. This growth is due to stronger metallurgical and thermal demand. Higher than historical natural gas prices, depleting gas reserves and volatile oil prices gradually drive economic decisions toward coal. The replacement of ageing coal-fired power plants, located primarily in Western Canada and parts of the Maritimes, provides the necessary dependable capacity to meet electricity needs.

The closure of Ontario's coal-fired generating plants reduces Canadian imports of thermal coal by approximately 16 percent and metallurgical coal by four percent between 2015 and 2030. Over this same period, Canadian thermal exports and metallurgical exports increase 13 percent corresponding with the increase in inter-regional trade of coal used for power generation and the high U.S. demand for coal to be used in steel production.

Exports of thermal and metallurgical coal are highest in Continuing Trends, both increasing by 12 percent between 2005 and 2015. Increasing world iron and steel production and the continued use of coal-fired generation lead to this increase. Thermal and metallurgical coal exports also grow by 12 percent between 2015 and 2030. Thermal imports increase eight percent compared to 2015 values, due to the addition of coal-fired plants in the Maritimes. Imports of metallurgical coal are up 22 percent based on strong demand in Continuing Trends. Between 2015 and 2030, Continuing Trends indicates the greatest net exports, increasing 16 percent.

Wind Integration: Opportunities and Challenges

While wind power has a number of unique benefits, the intermittent nature of wind power presents a challenge in integrating large amounts of wind power into existing power systems.

Because of variability of wind resources, wind power at a specific location may not always be available. This variability may have a direct impact on electric system reliability, since wind cannot be relied upon for base-load requirements. Intermittent wind power therefore implies that some other energy source must be available to cover periods when wind is unavailable.

There are a number of measures that can mitigate wind intermittency concerns, including geographic diversity, forecasting and synergy with hydroelectric systems.

If wind turbines span a large geographic region, it is less likely that they will all be without wind at the same time. However, wind power developers want to site units in places with the highest average wind speed to maximize output. Advanced daily or hourly forecasts for wind speed and wind turbine generation are valuable, as this provides system operators with time to respond to changes.

Hydro and wind systems have a natural synergy. Hydro units can vary their output quickly, compensating for changes in wind generation. Wind power can be a useful supplement, providing energy when the wind blows, allowing hydro facilities to save water for future generations.

The amount of wind power an electric power system can absorb depends on its configuration. Based on technical studies and experience in Europe and in the U.S., a predominantly thermal system is expected to be able to function normally with up to 10 percent of its installed generating capacity being wind turbines, whereas a mainly hydro-based system could support up to 20 percent installed wind capacity. With additional investment in transmission, control systems and back-up generation installed capacity of wind generation can be increased to 15 percent for predominantly thermal systems and 30 percent for hydro systems.

For further information on wind energy, please refer to the Board's Energy Market Assessment (EMA), *Emerging Technologies in Electricity Generation - March 2006*, available on the NEB web site at www.neb-one.gc.ca.

Greenhouse Gas Emissions

Canadian total GHG emissions in the Continuing Trends Scenario grows at a rate of 1.5 percent over the 2004 to 2015 period and 0.9 percent over the 2015 to 2030

Cogeneration

A cogeneration, or combined heat and power, plant simultaneously produces thermal and electrical energy from the same fuel or fuels. Using the output of one process to drive the other provides substantial gains in energy efficiency compared to the independent production of both products. Construction and operating costs of a cogeneration facility are also comparable to conventional power plants and boilers. Since they are also normally connected to the provincial power grid cogeneration also increases reliability. Having several smaller plants distributed across the province means there is less likelihood of a single point of failure than one large plant, and the cogenerator benefits as they can draw on the grid if a plant encounters problems.

Cogeneration is not more prevalent primarily because it requires a facility that needs both electricity and thermal energy. Also, there must be a mechanism in place wherein the owner of the cogeneration facility can be compensated for the benefits the facility brings to the grid and for any excess power that the plant produces.

There are a number of interesting new developments in the field of cogeneration.

First is the development of a process sometimes referred to as trigeneration. Currently employed at a few commercial sites such as universities and colleges, trigeneration provides electricity, heat and cooling. Conventional air conditioners use a mechanical pump, typically driven by electricity, to provide cooling. Trigeneration adds a technology known as the absorption chiller to a regular cogeneration facility. An absorption chiller is a refrigeration or air conditioning system that is driven by waste heat from the generator instead of electricity. This is not only more efficient, but also does not require a generator and a motor, and as such has a lower capital cost. It can also improve the economics of cogeneration by providing a use for waste heat in the summer months. As cogeneration penetrates the commercial market, trigeneration will become more common.

Secondly, companies in the oil sands are starting to work on using bitumen as a fuel instead of natural gas. Raw bitumen is not a suitable fuel for the combustion turbines used in most oil sands cogeneration plants, so the proposal is to gasify bitumen to produce synthesis gas, a mixture of carbon monoxide (CO) and hydrogen (H_2). Some of the H_2 is used to upgrade the bitumen produced to more valuable synthetic crude, while the rest of the synthesis gas is used to produce steam and electricity to extract more bitumen from the oil sands.

Finally, research continues into technologies that can extend cogeneration to the residential market. Typical cogeneration facilities are much too large for residential use, but new technologies such as Stirling cycle engines, fuel cells and thermionics all offer potential for small, reliable units suitable for residential use. For more details on these possibilities please refer to the Energy Market Assessment (EMA) *Emerging Technologies in Electricity Generation - March 2006*, available at www.neb-one.gc.ca.

period (Figure 4.23). This is lower than the historical growth rate of 1.7 percent from 1990 to 2004, largely due to a lower GDP growth rate, higher commodity prices, energy efficiency improvements, the expansion of alternative energy resources (e.g., ethanol, wind power), and retiring of older fossil fuel-fired generation plants.

Greenhouse gas shares and growth rates vary by province. The three largest GHG emitters in 2030 are Alberta, Ontario and Quebec. In 2004, Alberta accounted for 31 percent of total Canadian GHG emissions, and accounts for 34 percent in 2030. Ontario's share remains 27 percent, while Quebec's share rises from 13 to 15 percent.

Greenhouse gas levels do increase in Canada but the GHG emissions intensity in Canada declines over the outlook period (Figure 4.24). In Continuing Trends, the GHG emissions intensity declines at 1.3 percent per year, which is slightly more rapid than the historical rate of 1.1 percent as energy efficiency improvements take place and alternative and emerging fuel use increases.

FIGURE 4.23

Canadian Total GHG Emissions by Sector – Continuing Trends

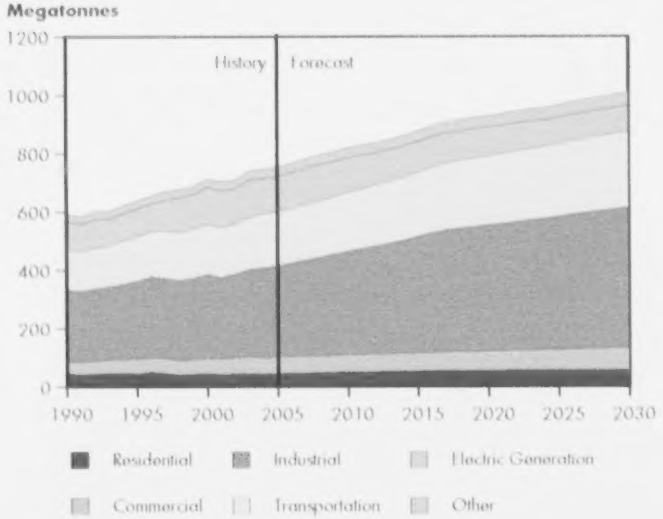
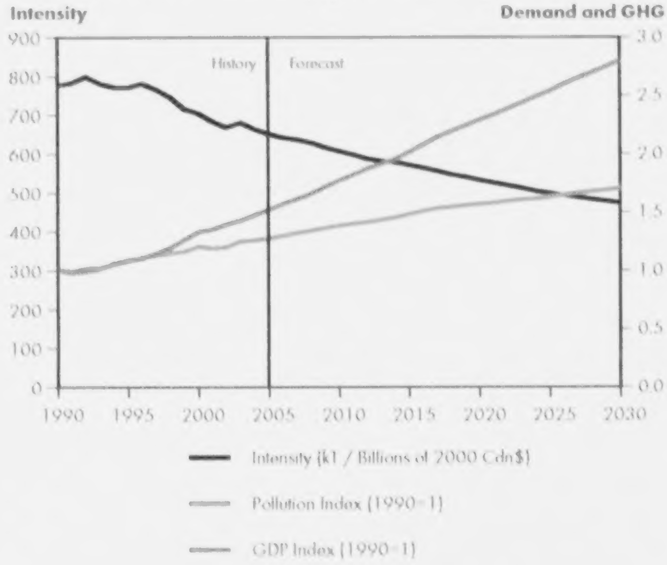


FIGURE 4.24

Canadian Total GHG Intensity – Continuing Trends



Continuing Trends Issues and Implications

- Strong energy demand growth and changing energy supply profiles will require investments in additional infrastructure. The development of this infrastructure is contingent on public acceptance.
    - Oil sands are expected to account for over 85 percent of the total Canadian oil supply by 2030 requiring sufficient take-away pipeline capacity and the development of additional markets.

    - The decline in conventional natural gas production and growing gas demand for oil sands in Western Canada result in a gradual decline in the volume of gas exiting Western Canada. Gas flows outside Western Canada might readjust as a result.
    - As well, gas flow patterns and utilization of transmission infrastructure will change across North America, as LNG imports enter coastal markets and production shifts between regions. The growing share of LNG imports will increasingly link North American natural gas markets to the rest of the world. Current LNG supplies are tight, but major capacity additions are under construction or planned.
    - Significant development of transmission lines will be required.
- Canada's role as a net gas exporter will gradually change to net importer by the end of the period. This could have implications for the balance of trade, although growing crude oil exports should compensate.
- The key risks and uncertainties surrounding the Continuing Trends outlook include:
    - Oil sands production is assumed for Saskatchewan in 2017. Although initial exploration is promising, no official reserves have been published, so this assumption remains speculative.
    - Energy demand management policies are not as well developed in this scenario as in other scenarios. Policies and programs that are in place at the beginning of the outlook period are carried forward until the end of the scenario. However, programs that are under development or are being contemplated are not included. Increased consumer awareness and support for environmental issues makes the implementation of these types of programs more likely and is a potential risk associated with the Continuing Trends Scenario.

TRIPLE E

Triple E refers to balancing of economic, environmental and energy (triple E) objectives. This scenario is characterized by well-functioning energy markets, cooperative international agreements and the most rigorous energy demand management policies of the three scenarios.

Scenario Overview (2005-2030)

Global Forces

At the beginning of this scenario, geopolitical tensions are easing. High energy prices constrain demand as the developing world maintains rapid economic growth rates. These high energy prices lead to:

- increased international investment in previously marginal energy plays and in energy infrastructure;
- development of alternative sources of energy supply;
- slowing of international energy demand growth rates as consumers search for more efficient methods of using energy and governments introduce policies to manage demand;
- increased international co-operation to increase access to global supplies and coordinate demand; and
- continued support to deal with rising emissions levels.

By 2010, the ingredients for a low price environment are established. The combination of increased access to energy supplies and a moderation of energy demand growth leads to an energy market with some slack. As a result, energy prices fall between 2010 and 2020.

Environmental action becomes a worldwide phenomenon. The environmental movement has continued to gain momentum in the developed world and is now seen as a key policy-making consideration. Higher incomes in the developing world lead to increased demand for environmental stewardship. Despite falling global energy prices, the comprehensive energy demand and emission management policies that were introduced to combat high energy prices at the beginning of the scenario are expanded rather than abandoned.

By 2030, the gross domestic products of global economies experience significant growth and as a result, global energy demand also grows. However, energy demand has not grown as quickly as it might have in the absence of government policies and social value changes. Although not necessarily there yet, the world is on the path to achieving more sustainable growth. The link between energy demand, emissions and economic growth is weakening.

There continues to be sufficient global energy supplies to meet energy demand requirements and as a result, world energy prices remain low. The most notable achievements include increased access to global energy resources as geopolitical tensions continue to improve, the development of a large-scale liquefied natural gas (LNG) market and significant growth in global alternative and emerging energy resources. Lastly, the relative share of cleaner energy sources increases as the world places more value on green energy supplies.

Canadian Outcomes

Just as in the global context, the Canadian Triple F energy path is characterized by long-run government policies directed at balancing energy use, environmental impacts and economic growth. The policies considered include[51] the following:

- urban design (e.g., urban density requirements, stricter standards for energy use in residential and commercial building codes, smart metering, support for district energy);
- a price on emissions, which could be achieved through a number of policy programs, such as a carbon dioxide (CO_2) tax, a cap and trade system, or others;
- increased energy efficiency standards (e.g., residential and commercial appliances, engines and motors for industrial applications);
- financial incentives (e.g., residential and commercial building retrofit subsidies);
- research, development, and demonstration funding (e.g., subsidies and grants for the development of energy efficient and/or low-emission technologies, including the development of a carbon dioxide pipeline in Alberta and/or Saskatchewan to facilitate CO_2 capture and storage);
- information and voluntary programs (investment in programs and policies to make consumers aware of the energy used and environmental impacts of goods and services consumed); and
- transportation sector initiatives, including increased mass transit infrastructure, increased vehicle standards for personal and freight transportation, and renewable vehicle fuel requirements (e.g., ethanol and biodiesel).

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[51] It is important to note that this analysis does not include an examination of other impacts associated with the implementation of these programs, such as program cost-effectiveness, distributional impacts, or competitiveness implications. Thus, this suite of programs should not in any way be construed as a recommendation for future policy development, but rather it should be viewed as an exploration of energy efficiency and emission intensity potential within Canada, given the strong societal support inherent in the Triple F Scenario.

Abundant global energy supplies and low world energy prices result in the lowest Canadian oil and gas production outlook. This, in combination with economic-environmental trade-offs, make Triple E the moderate economic growth scenario. As a result of the comprehensive energy demand and emission management policies, this scenario sees demand stabilize and major improvements in energy intensity.

Macroeconomic Outlook

The key factors that shape the macroeconomic outlook in this scenario are well-functioning global markets and progressive energy demand and environmental management programs.

In the Triple E Scenario, population growth slows to 0.8 percent per year, slightly higher than the population growth rate in the Continuing Trends Scenario (Table 5.1). Higher immigration levels are assumed as a result of the more open nature of this scenario. Despite the higher population, labour force growth continues to slow over the outlook period, averaging 0.7 percent per year as a result of demographic trends. Productivity measured as output per employee improves to 1.5 percent per year as a result of strong energy and environmental management programs, which encourages Canadian producers and consumers to invest in more efficient equipment.

TABLE 5.1

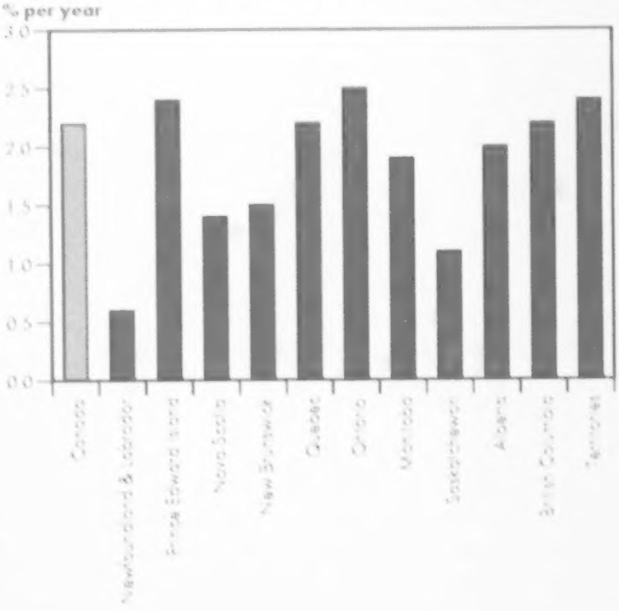
Key Macroeconomic Variables – Triple E 2004-2030

	1990-2004	2004-2030
Population	1.0	0.8
Labour force	1.3	0.7
Productivity	1.4	1.5
Gross domestic product	2.8	2.2
Goods	2.5	2.4
Service	3.0	2.2
Real disposable income	3.6	4.1
Exchange rate (average cents US/Cdn dollar)	74	98
Inflation rate (average %)	2.3	1.8

(Annual Average Growth Rate (% per year) unless otherwise specified)

FIGURE 5.1

Real GDP Growth Rates – Triple E 2004-2030



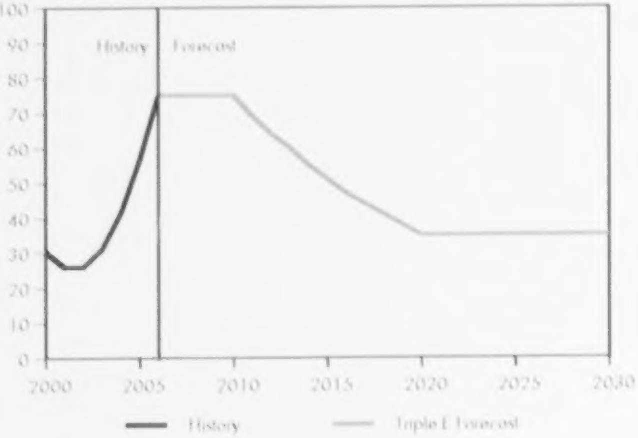
Population and productivity assumptions result in Canadian gross domestic product (GDP) averaging 2.2 percent per year (Figure 5.1). This is slightly slower than historic GDP growth because increased productivity does not fully compensate for the lower labour force.

The structure of the Canadian economy remains fairly stable. By 2030, the goods producing sector continues to account for one-third of the GDP and the service sector accounts for two-thirds. However, the regional distribution of Canadian economic growth changes. The manufacturing regions of Canada, specifically Ontario and Quebec, benefit from strong manufacturing export demand. However, the oil and gas producing regions of Canada face low commodity prices, which result in slower production. This is particularly apparent in Alberta where economic growth is actually below the Canadian average.

FIGURE 5.2

West Texas Intermediate Crude Oil Price at Cushing, Oklahoma – Triple E

US$2005/barrel



Energy Prices[52]

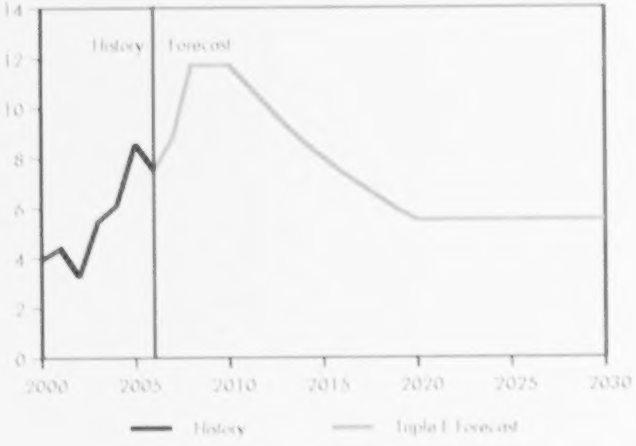
Crude Oil Prices

The Triple E Scenario assumes a gradual reduction of the security premium[53] on oil and enhanced access to world oil resources through technology, investment and cooperative international relations (Figure 5.2). Additionally, global government action and consumer value changes ease demand growth around the world. World energy prices follow this trend and by the end of the scenario, are well below levels seen in the Reference Case or in Continuing Trends.

FIGURE 5.3

Natural Gas Price at Henry Hub, Louisiana – Triple E

US$2005/MMBtu



Natural Gas Prices

High LNG imports in Triple E have a dampening effect on North American natural gas prices and cause the Henry Hub natural gas price to decline over the period to US$5.25/GJ (US$5.50/MMBtu)(Figure 5.3). As the lowest carbon-content fossil fuel, natural gas commands a premium in this scenario, with a price at 94 percent of the equivalent crude oil price on an energy equivalent basis.

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[52] Note in Triple E there is an assumed CO_2 price that drives up the delivered fuel prices faced by consumers. The CO_2 price is described in detail in this chapter and end use price data are contained in the appendices. The oil and gas prices presented here are the commodity prices and do not include the CO_2 price.

[53] A premium to the oil price reflecting the degree of risk of interruption in oil supply. Geopolitical events that threaten oil supplies result in higher oil prices.

Electricity Prices

Price pressures moderate in Triple E as oil and natural gas prices decline from the levels of the early 2000s putting downward pressure on the costs for fossil-fired generation. There is also a decline in the growth of new generation, as the growth in electricity demand moderates. These downward pressures are partially offset by an increasing share of higher-cost alternative or emerging technologies in the generation mix (e.g., wind, hydro and clean coal), consistent with an increased emphasis and programs focused on addressing concerns surrounding air quality and greenhouse gas (GHG) emissions[54].

Coal Prices

The world supply and demand balance is not entirely different from the Continuing Trends Scenario; thus, the commodity price of coal is the same. However, the carbon intensity and corresponding cost reduces its price advantage compared to natural gas. As a result, coal purchasers, including coal-fired power generators and industrial end users, pay a premium.

Energy Demand

The key dynamic of Triple E is moderating energy demand in the midst of robust economic activity. Achieving the balance between economic, energy, and environmental ideals in this scenario involves pursuit of a full portfolio of policies, and support of Canadians. The result is demand essentially flattens, as average growth is reduced to 0.3 percent annually. Key influences include energy efficiency and conservation and the shift to less carbon-intensive fuels, such as ethanol and biodiesel[55].

Although world energy prices are the lowest in Triple E, the end-use consumer price for fossil fuels is similar to the Continuing Trends Scenario because there is a price for CO_2 emissions. The emissions adjustment is based on carbon content of the fuel and is scaled up over time. The cost of CO_2 emissions between 2010 and 2014 is $15/tonne[56]. This price increases by $10 every five years. By the end of the outlook period, the CO_2 emissions price is $45/tonne of CO_2. Revenue collected through the CO_2 price is recycled back into the economy to support the structural shift required in the Triple E Scenario.

CO_2 Emission Price and Revenue Recycling

The benefit of pricing emissions is that it more accurately captures the full cost of energy production and use. There are a number of different programs and policies that could be implemented to create a price for CO_2 emissions, including a CO_2 tax or a GHG emissions cap and trade program. Pricing emissions allows for cost-effective emission reductions, incentives for investments in cleaner and more energy efficient technologies, and development of a pool of revenue that can be recycled back into the economy to further support policy objectives.

In the Triple E Scenario a portion of the revenue collected through the CO_2 emission price is used to support building retrofit programs, advancement of research, development and demonstration (R,D&D) that facilitates the technological shift assumed in this scenario, capital projects (e.g., support for the development of a backbone CO_2 capture and storage pipeline), and information and capacity building. Capacity building includes not only public education campaigns, but also training of qualified engineers, architects, operators and installers. These information programs result in greater energy awareness, higher levels of energy conservation and the development of improved energy systems.

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[54] Regional electricity prices are provided in the Appendix 5.

[55] Emerging and alternative energy sources for the production of electricity, such as wind generation, are considered in the Electricity Supply section within this chapter.

[56] As an example, this translates into roughly 4 cents per litre of gasoline.

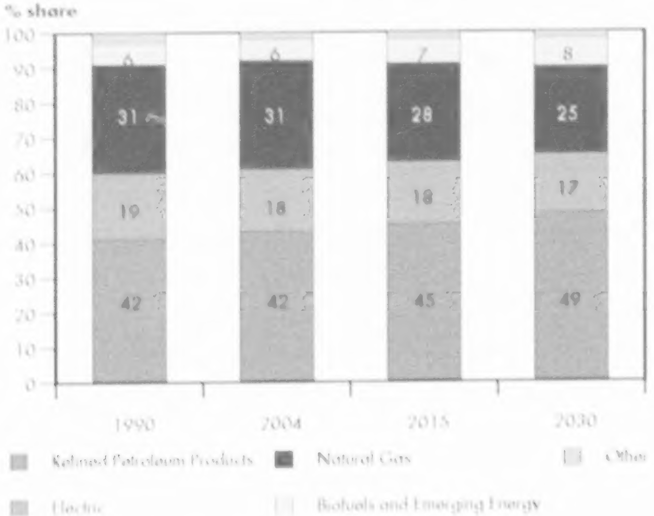
Total Secondary Energy Demand Trends

Canadian total secondary energy demand in the Triple E Scenario grows at a rate of 0.3 percent over the 2004 to 2030 period, significantly lower than the historical growth rate of 1.8 percent from 1990 to 2004. The industrial sector has limited ability to switch to cleaner and cheaper fuels, and as such, demand increases faster than in the more policy-responsive residential and commercial sectors.

Demand sector shares and growth rates vary by province. The three largest energy consumers are Ontario, Alberta and Quebec. Ontario accounts for 33 percent of total secondary energy demand in Canada, Alberta accounts for 26 percent and Quebec 19 percent. Provincial population, personal disposable income and economic activity assumptions, as described in the macroeconomic section of this chapter, all affect provincial energy demand. Total secondary demand growth rates vary by region, with Ontario, Quebec, Alberta, Prince Edward Island, the Yukon and Nunavut all having growth rates higher than the Canadian average. All other provinces, along with the Northwest Territories, show lower demand growth rates. Saskatchewan, Manitoba, Nova Scotia, New Brunswick and Newfoundland and Labrador have negative average annual growth rates over the forecast (i.e., demand in 2030 is lower than it was in 2004). This negative growth rate is a consequence of population trends, moderate economic growth and energy efficiency improvements.

FIGURE 5.4

Canadian Total Secondary Energy Demand by Fuel – Triple E



('Other' includes coal, coke, coke oven gas, and steam)

The energy demand projection shows initial high growth which slows and eventually flattens (Figure 5.4). A delicate balance is established between economic drivers (income and GDP) putting upward pressure on demand, and the countering influence of programs, policies, and societal values putting downward pressure on energy demand.

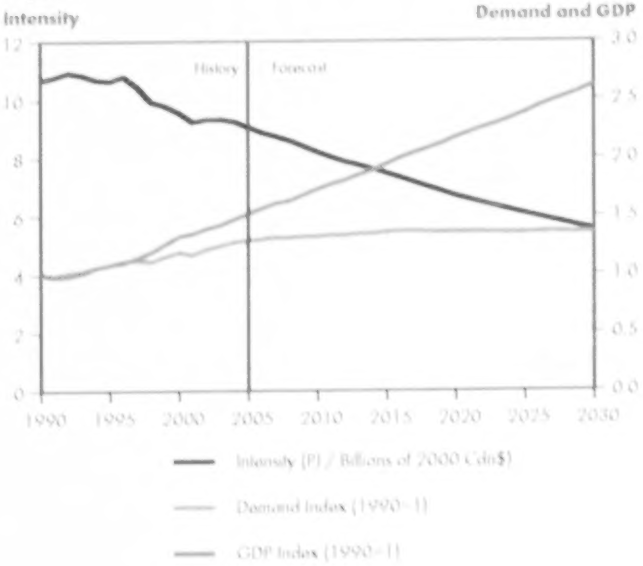
The overall Canadian demand intensity declines fastest in the Triple E Scenario, at 1.9 percent annually, well above the historical annual rate of 1.0 percent (Figure 5.5). This reduction in demand intensity is primarily caused by the assumed aggressive energy policies in this scenario.

Residential Secondary Energy Demand

The residential sector is particularly responsive to a combination of policies. This assists in overcoming the historical trend of increasing demand due to a 'more and bigger' consumer mindset that essentially cancelled out past energy efficiency gains. Regulations applied uniformly

FIGURE 5.5

Canadian Total Secondary Energy Demand Intensity – Triple E



across Canada bring what were formerly marginal technologies and practices into widespread application. As a result, several end-use services, such as space and water heating, see a net decrease in energy demand between 2004 and 2030. Demand reductions in the residential sector are achieved through the integration of several key policies, including the following:

- all new homes meet R-2000[57] (or equivalent) energy performance standards by 2015 (and this rate of improvement is maintained until 2030);
- all new appliances meet Energy Star approval ratings by 2015; and
- introduction of programs and policies to support energy retrofits on existing homes.

Policies for strategic urban planning, or 'smart growth' are emphasized. Policies specific to residential building energy use include:

- more compact urban design, including an increase in multi-density dwellings in relation to single dwellings; and
- shared walls and energy-operating systems between multiple households, including community energy (such as district heating or distributed energy).

The new housing standard in Triple E is a 30 percent improvement in energy performance over the historical average. This improvement has already been demonstrated by such building programs as R-2000, BuiltGreen[58] and Energy Star for Homes. The green building market has been experiencing rapid growth recently. There are indications of unprecedented market support and in this scenario it is assumed that these options are pursued in the majority of new homes that are built.

The 30 percent improvement target represents aggregated savings that takes into account building shell (insulation/draft-proofing), windows, heating systems, lighting and appliances. The existing home energy performance rating system in Canada, EnerGuide for Houses (EGH)[59], is a useful indicator of the progression of new homes between 2004 and 2030. In the past few years, new homes had an average EGH rating of around 72. The assumed target for 2015 is a rating of EGH 80 and increases to between EGH 90 to 100 by 2030. To achieve this, a combination of technology and process improvement is applied. As an example, improvements in hot water heating can be gained through technological advancement (i.e., condensing water heater) and process improvements (i.e., low flow showerheads). Process improvements allow for efficiency improvements beyond what is technically possible on the device itself. The savings are extended further by behaviour changes. The Triple E Scenario applies a universal conservation ethos, which significantly enhances even small technology improvements.

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[57] An R-2000 Standard home meets technical requirements for new home performance beyond building codes.

[58] BuiltGreen is a non-profit organization that promotes environmentally friendly home building methods and practices.

[59] A net-zero energy home would be the equivalent of an EnerGuide rating of 100. A rating of EGH 90-100 is considered to include the best in home building technology, appliances and lighting and some contribution from alternative energy.

Large home appliances maintain their historic trend of improvement and have the built-in automation necessary for participation in utility demand response programs, such as peak load reduction and time-of-use rates. Energy Star increases its market penetration and becomes the standard by 2015. The historic trend of increasing electrical demand from an onslaught of small electronics, such as computers, portable devices and entertainment devices, is mitigated by new international laws limiting standby power consumption to 1 watt on all electronics.

By the end of the scenario, the incremental advances in efficiency begin to decrease; however, the implementation of the best

Hydrogen's Role in Canada's Energy Future

On a per capita basis, Canada is already the largest hydrogen producer within Organization for Economic Cooperation and Development (OECD) countries and is at the forefront of hydrogen research and development. The appeal of the 'hydrogen economy' is tremendous and Canada is well positioned to benefit from its development.

Hydrogen, like electricity, is simply a way of distributing energy. It is closer in character to a battery than a fuel. The production of hydrogen comes at the expense of other energy inputs. Presently, the majority of hydrogen production is produced from natural gas, in a process that releases CO_2 into the atmosphere. Alternatively, hydrogen could be generated from electrolysis of water by electricity. This electricity could come from coal, gas or nuclear generation, but the ideal long-term strategy would link renewable energy (hydro, solar, wind) with hydrogen generation. Presently it is less expensive to produce hydrogen from natural gas than electricity. The opportunities for hydrogen depend on the application. The following table lists possible applications for hydrogen along with associated benefits and challenges:

Application	**Main Benefits**	**Main Challenges**
Replacement for transportation gasoline and diesel	Efficiency improvement, CO_2 abatement, improvement in urban air quality	Replacing/adding hydrogen fuelling infrastructure, hydrogen storage, costs
Replacement for natural gas in residential and industrial markets	Uninterruptible power units/standby power, combined heat power (CHP) applications, replacement for steam methane reforming in oil sands refining and upgrading	Main markets generally not situated near source of production, adding to expense
Storage medium for buffering electrical power	Complementary to intermittent power sources (wind, solar) and ability to take advantage of grid off-peak and reserve capacity	Competing with other, rapidly advancing energy storage technologies

The difficulties the industry faces are evident by the 20 percent decrease in investment value in the last few years, as reported by the Canadian Hydrogen Association. Despite the very high costs associated with hydrogen production and use today, investment by industry, provincial and federal governments confirms that hydrogen is still very much part of regional energy policies. The widespread deployment and impact of these technologies will likely fall outside of the timeframe of this report, and therefore, are not included.

For further information on hydrogen in Canada, visit the Canadian Hydrogen Association web site at www.h2.ca.

available technology includes an increasing contribution from alternative and emerging energy. By the end of the Triple E Scenario, many homes and communities are net-zero energy consumers. The contribution from on-site renewables offsets purchased energy.

Photovoltaic (solar PV), solar thermal and geothermal are considered as part of the home energy operating systems and as such, are modeled on the demand side. Uptake rates are based on industry association projections. The last few years have seen rapid growth in these technologies, but the curve starts from a negligible base. Achieving full potential in the EGH 90-100 range requires better technology at lower cost. These developments are assumed to occur through proactive investments in research and development.

The residential sector energy performance is limited by the large stock of existing, inefficient older homes that remain in the demand pool for decades. Major retrofits are disruptive and costly and economic benefits occur well after the average length of time people own a home. Until very recently, the official number of home energy retrofits completed under the EGH program has been small (less than 10 000 per year). Further, the leading motivation for home renovations has historically been aesthetics. To address this, Triple E allocates a portion of the revenue collected from the CO_2 price toward subsidies for energy retrofits. Approximately 5 percent of the older homes are retrofitted each year for an 18 percent reduction in energy demand. Recent statistics indicate an unprecedented number of homeowners considering home renovations in the near future[60]. The Triple E mindset assumes that any opportunity to renovate automatically includes improvements in energy use. This attitude, along with concern for indoor air quality and an added financial incentive, effectively leverages almost every home renovation project into an energy efficiency upgrade.

Perhaps the policy most indicative of the paradigm shift in Triple E concerns urban form, encompassing energy efficiency, alternative energy, urban design, distributed energy and transportation issues. As well, it reveals the complex challenges between technology and structural (zoning/codes/regulations) issues that need to be addressed. Modeling the policy started with an increased ratio of multi-dwelling (apartment, row or condominium) new home starts compared to single family dwellings. Historically, single starts have outnumbered multi-starts. The last few years have seen a marked increase in multi-starts[61], and this trend is continued and enhanced, leading to multi-dwelling homes accounting for an extra 10 percent of stock within the modeling period.

Higher density allows for reduced energy demand in the residential sector, due to shared walls and shared energy systems. It also sets off a cascading series of opportunities. The higher density developments support distributed energy and community energy system opportunities. District heating systems, large geothermal or energy storage systems, and electrical net-metering help extend efficiency ratings well beyond individual end-use devices. Urban form's biggest impact is in transportation, which is covered later in this chapter.

Awareness and education are a large part of the Triple E Scenario. The awareness concept was modeled on the results of smart metering demonstration projects where participants reduced electrical consumption by an average of six percent, in response to availability of information[62]. While the energy saving was predominately applied to electricity in existing home stock, all end-uses received at least a small input from the general concept of awareness and energy conservation characteristic of Triple E.

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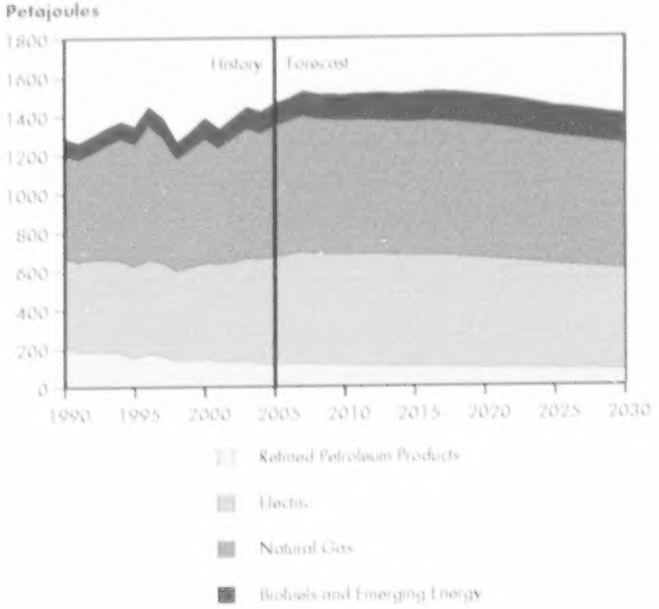
[60] Canada Mortgage and Housing Corporation, *Canadian Housing Observer*, 2005.

[61] Canada Mortgage and Housing Corporation, *Canadian Housing Observer*, 2005.

[62] Energy Evolution, 2006. *Ontario Government Approves Full Smart Metering Rollout for Chatham-Kent Hydro*. September 14, 2006.

FIGURE 5.6

Canadian Residential Secondary Energy Demand by Fuel – Triple E



Overall, Canadian residential secondary energy demand decreases at 0.1 percent over the 2004 to 2030 period (Figure 5.6).

Commercial Secondary Energy Demand

The policies, opportunities and results in the commercial sector are very similar to the residential sector. It is appropriate that these two sectors are frequently grouped together simply as the 'built' environment.

The gap between historical and future commercial building performance is addressed through the same combination of policies as in the residential sector. The most important of these policies is a tightening of building codes to raise the level of all new building energy performance to the Leadership in Energy and Environmental Design (LEED®) silver standard, which is a 25 percent improvement in energy performance by 2015. The LEED® rating system is also based on a variety of environment-friendly building technologies. Developers are free to choose the most appropriate of a wide variety of energy efficiency measures (insulation, windows, ventilation, lighting, appliances), building material, resource use (including water) and alternative energy options in order to meet minimum requirements on a project-by-project basis.

A recent surge in construction of exemplary green buildings has taken place[63]. Issues such as corporate branding, indoor air quality (improved productivity/reduced sick-days) and prestige are market forces presently driving the interest. The full impact is obtained through a regulated minimum standard across the country. Energy savings between these buildings and the reference is typically 25 to 50 percent; however, savings of 60 to 80 percent have been achieved[64].

The probability of significantly improving existing commercial building stock is even more challenging than in the residential market. This is a major issue considering 75 percent of infrastructure in place by 2030 has been built before 2005. A large part of Canada's installed buildings are relatively old[65]. Subsidized retrofit polices have proven effective. Results from the federal Commercial Building Incentive Program (CBIP) show an average improvement of 35 percent over the Model National Energy Code for Buildings (MNECB) after upgrades. In the last few years, improvements of 50 to 60 percent were common[66]. In modeling Triple E, an improvement of 20 percent is applied to 5 percent of the existing building stock each year. There is a pool of easily accessed 'low-hanging fruit' within the commercial building sector due to lighting improvements (fluorescent bulbs, day lighting and occupancy sensors) and improvements in building automation and controls. Although economic in any scenario, in Triple E these better opportunities are leveraged, along with the subsidies, for a more systems-based, whole building approach.

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[63] As listed by the Canadian Green Building Council, see http://www.cagbc.org/uploads/LEED_Certified_Projects_in_Canada_Updated_070605.pdf.

[64] Based on recommended minimums as stated in Model National Energy Code for Buildings (MNECB).

[65] 31 percent are 40 to 80 years old and 28 percent are over 80 years old. The Canadian Society of Civil Engineering, *Civil infrastructure systems technology roadmap, 2003-2013*, June 2003.

One explanation for escalating commercial demand in recent years is increasing air conditioning and plug load (computers and printers for example). Offices and retail stores are now the fastest growing sub-sector of commercial buildings, as well as being almost 100 percent likely to have air conditioning and be fully computerized. The Energy Star standard (10 to 15 percent better than average) for appliances and the new universal 1-watt standby limit is effective in the commercial market as well, as it directly targets a major source of the increasing demand.

Urban Form as Smart Growth

Many Canadian cities have adopted the concept of smart growth in order to achieve long-term economic and environmental sustainability. The essence of smart growth is a strategy of land use and urban form which promotes:

- compact design and a pattern of development to enhance travel efficiency
- reduced dependency on automobile transportation
- high density and mixed-use development based around transportation infrastructure
- green space protection
- material, energy and water conservation
- pedestrian-friendly village centres and an increased sense of community

Urban form is a major influence on reducing transportation energy demand and GHG emissions. Switching a small portion of the population to walking/bus/rail/bike transportation, or even increased telecommuting, is equivalent to a large section of population upgrading to more efficient personal vehicles. All of these options are pursued as part of the Triple E environment.

Fuel-switching to on-site alternative energy sources including geothermal, solar PV and solar thermal account for almost one-third of the total fossil-fuel energy savings of Triple E versus Continuing Trends. Geothermal contributes approximately three percent of the space heating savings. Solar thermal is applied to sub-sectors with high heat loads, such as recreation, hotels and health care, resulting in a savings of approximately 10 percent on water heating. The solar PV contribution increases exponentially but is too small (less than two percent) to be modeled individually.

In addition to major decreases in raw material and manufacturing costs, full deployment requires time for infrastructure to be established, including interconnection standards and trained personnel. To capture its influence, an extra efficiency gain is attached to large electric appliances which effectively displaces a small amount of purchased electricity.

Additionally, on-site commercial combined heat and power grows and displaces almost two percent of the total purchased electricity demand in the commercial sector by 2030. This is accomplished through the alignment of improved technology, reduced costs and a supportive regulatory

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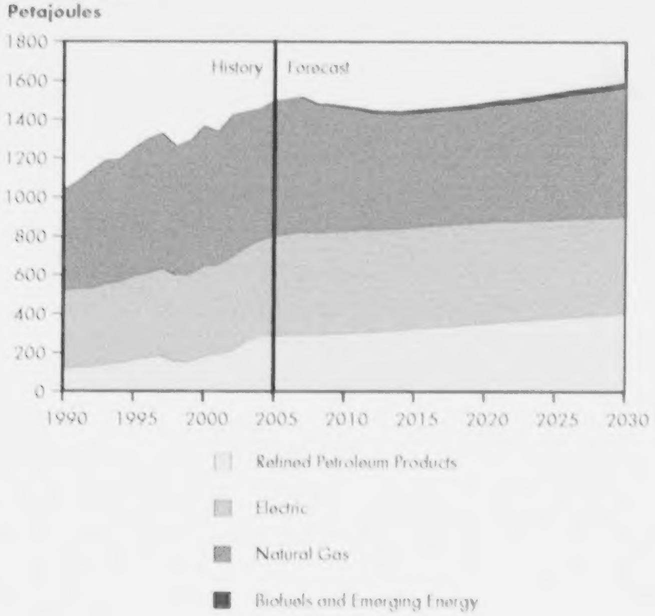
[66] Natural Resources Canada (NRCan) *Built Environment Strategic Roadmap – Commercial Buildings Technology Review*, CANMET Energy Technology Centre (CETC), 2007.

FIGURE 5.7

Canadian Commercial Secondary Energy Demand by Fuel – Triple E



environment favouring a shift to increased distributed energy.

Canadian commercial secondary energy demand grows at a rate of 0.3 percent over the 2004 to 2030 period, lower than the historical growth rate of 2.5 percent, due to the economic characteristics of Triple E and the assumed energy policies (Figure 5.7). Biofuels and emerging energy in the commercial sector have a zero percent share in 2004 and increase to a two percent share in 2030, as solar and geothermal energy policies are implemented.

Industrial Secondary Energy Demand

Industrial demand is driven predominately by macroeconomic influences. In Triple E, the demand changes vary by industry type, the most significant of these being a reduction in oil sands, mining and petroleum products activities. As well, industrial demand is influenced by the same core policies as the commercial building sector, including accelerated efficiency standards, subsidies for facility and equipment upgrades, research and development support, and the application of a carbon price. For many reasons, including competition for capital and the disruptions in production flow, energy efficiency upgrades in the industrial sector do not vary widely between scenarios. Small alternative or emerging energy is not directly modeled on the industrial demand side; however, a significant increase in on-site cogeneration, or combined heat and power, is included in the efficiency impact.

Process heat and motor systems are universal loads within all industrial subsections. Energy efficiency improvements in technology and process optimization result in an improvement of approximately one percent annually, a slight improvement on the historical trend. Triple E industrial demand distinguishes itself in the later stages of the scenario when efficiency gains a boost from major process innovation within the most energy-intensive industries. These are the least definitive technologies modeled. Technologies include improved electrolytic processes for aluminium and copper smelting; black liquor gasification for pulp and paper; and improved material handling technology, which allows a larger component of recycled material into the processing stream.

The magnitude of energy demand within the oil and gas sector warrants an analysis independent of other industries. In Triple E, all the policies come together to indicate, or favour, a particular development path in the oil and gas sector. The reduced demand for product and lower prices restricts the pursuit of the most energy intensive and expensive sources of oil and gas. Triple E determines not only what plays are developed, but how they are developed, favouring more efficient processes such as oxy-fuel or gasification for synthetic crude oil production and upgrading. An increase in gasification technology in oil sands would decrease natural gas use and could be used to produce a pure CO_2

stream for CO_2 capture and storage. This is discussed more fully in the oil section later in this chapter.

Canadian industrial secondary energy demand grows at a rate of 0.3 percent over the 2004 to 2030 period (Figure 5.8). The slower economic growth assumptions for the industrial sector as well as efficiency improvement policies keep demand growth lower than the historical growth rate of 1.8 percent. Total industrial demand grows faster in the first half of the forecast, due to strong oil and gas growth; however, it starts to decline as the oil and gas industry growth tapers off due to lower commodity prices. Non-energy related growth, at 0.6 percent over the forecast, is not adequate to keep total industrial demand increasing. The exclusion of the Mackenzie Valley Pipeline in this scenario, due to lower prices, and the accessibility of the world's best industrial process technology impacts demand.

In 2030, the largest provincial energy consumers are Alberta, accounting for 50 percent of industrial energy demand in Canada; Ontario, with 20 percent; and, Quebec following at 13 percent. Fuel shares by province vary significantly, depending on the types of industries, their energy intensities and the availability of fuels[67].

Food, Fibre and Fossil Fuel Alternatives

Ethanol is the most cited example of bio-based fuels making inroads into established fossil fuel markets. Ethanol biofuel is just one example of the larger, rapidly expanding biomass industry. The biomass (or bio-economy) network includes bioenergy, biofuels and bioproducts and processes. In addition to a petroleum gasoline alternative, bio-based feed stocks can also be found as an alternative or blend to diesel fuel, in electric power generation, in heating systems, and as a chemical feedstock for products such as plastics, paints and detergents.

The biomass industry suggests biological systems (forest and agriculture based) could provide 20 percent of Canada's energy needs by 2030. It already provides over 60 percent of the heat and power requirements in Canada's pulp and paper industry. The appeal of biofuels, particularly ethanol, includes reduced greenhouse gas emissions, energy security and agriculture incentives. For these reasons, Canada has a long history of support for the ethanol industry. Until recently, ethanol represented less than one percent of the gasoline fuel share. There are now policies in place to support a target of a five percent share by 2010. The last year has seen an unprecedented amount of activity in building ethanol capacity in North America. As witnessed recently in the U.S., the extensive promotion of corn for ethanol has wide-reaching implications. These include altering or reversing established export trade patterns, impinging on food and livestock producing enterprises and introducing related environment concerns.

Although agriculture is a fairly energy-intensive industry, a large body of peer-reviewed, scientific analysis has shown a net energy gain for fermented corn starch ethanol versus gasoline. (In the U.S., this is estimated to be about a 38 percent gain.) The biofuels industry and policy-makers consider the present situation to be part of a transition to improved efficiencies and lower cost. Ethanol is presently more expensive to produce than gasoline. To reach the Triple E target of 10 percent, it is assumed that technology continues rapid improvement. Cellulosic ethanol, or ethanol from plant fibre (as opposed to fermented grain) is moving into the commercial production stage, and Canadian companies are at the forefront of this technology. This technology has the potential to increase efficiency by a factor of ten. In addition, select crops such as poplar and switch-grass have the potential to improve output efficiency. Improved efficiencies in processes (including combustion, gasification and pyrolysis) will further aid the development of the whole biomass industry.

For further information see:

www.cbin-rcib.gc.ca – www1.eere.energy.gov/biomass/net_energy_balance.html – www.greenfuels.org – www.biocap.ca

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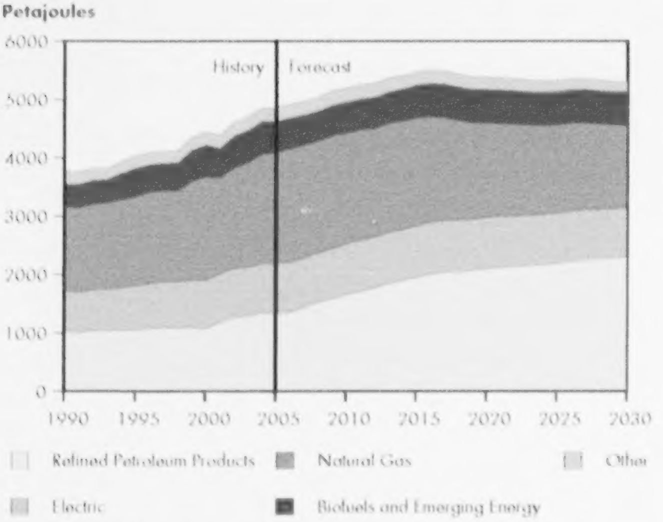
[67] For detailed provincial energy demand data, see Appendix 2.

FIGURE 5.8

Canadian Industrial Secondary Energy Demand by Fuel – Triple E



('Other' fuel includes coal, coke, coke oven gas, steam, naphtha)

Transportation Energy Demand

Although efficiency, expressed as fuel economy, is the pressure point for the transportation debate, Triple E incorporates a wider view of lifestyle choices and societal values, which have an equally significant impact on transportation energy demand.

Improvements in the efficiency of the basic internal combustion engine (ICE) vehicle are a starting point. The three percent annual improvement target in the first half of the scenario represents a substantial improvement over the historical rate. In addition to the efficiency improvement within each vehicle class (e.g., compact, sub-compact, light truck, med-truck), the transportation sector shows a large reduction in energy use from a shift in consumer purchasing preference toward smaller vehicles. As older vehicles are removed from stock, they are replaced by more efficient vehicles. This could be achieved by replacing a vehicle of a similar size and class with a more advanced technology (e.g., hybrid vehicles) or by replacing the current size vehicle at least one level or class better in efficiency.

Along with efficiency improvements and purchasing habits, Canadian travel behaviour changes significantly. Initially, this change in behaviour involves shifting a section of commuters out of single-occupancy vehicles and into using mass transit. Cities embrace the concept of smart growth, which supports higher densities and more options for personal mobility. This would alter the trend of increased urbanized area (urban sprawl) in Canada, which is contributing to growing personal vehicle kilometres traveled (VKT). In Triple E, a reduction of five percent in VKT due to municipal investment in mass transit options is applied. An additional 10 percent of households have a 50 percent reduction in VKT due to increased density and mixed use (work/live) neighbourhoods by 2030.

The biofuel component of the Triple E transportation policy applies existing and regional short-term targets and expands on these to 2030[68]. The five percent ethanol target presently in place is achievable with existing technology. The 10 percent target for 2030 is based on breakthroughs in biofuel processing; for example, cellulosic ethanol that would significantly improve the biomass to energy output ratio. The same applies for biodiesel. Biodiesel is assumed to make up two percent of the road diesel volume. The success of the biofuels industry in Canada benefits from high level collaboration among energy, environment and rural development strategies.

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[68] The Ontario assumption is 5 percent ethanol volume (3.4 percent energy) of total gasoline use in the province by 2007 and up to 10 percent ethanol volume (6.8 percent energy) by 2030. The Saskatchewan assumption is 7.5 percent ethanol volume (5.1 percent energy) of total gasoline use in the province by 2007 and up to 10 percent volume (6.8 percent energy) by 2030. For modeling purposes, the assumption was 10 percent ethanol volume of total gasoline use in Canada by 2030. The assumption is biodiesel will make up two percent volume (1.8 percent energy) of total diesel use in Canada by 2030.

Canadian transportation energy demand grows at a rate of 0.2 percent over the 2004 to 2030 period, which is much lower than the historical growth rate due to slower economic growth, efficiency improvements and behavioural changes (Figure 5.9). The demand shares by fuel for Canada over the forecast illustrate a large drop in gasoline demand shares, resulting from efficiency improvements and the biofuels policies assumed.

FIGURE 5.9

Canadian Transportation Energy Demand by Fuel – Triple E

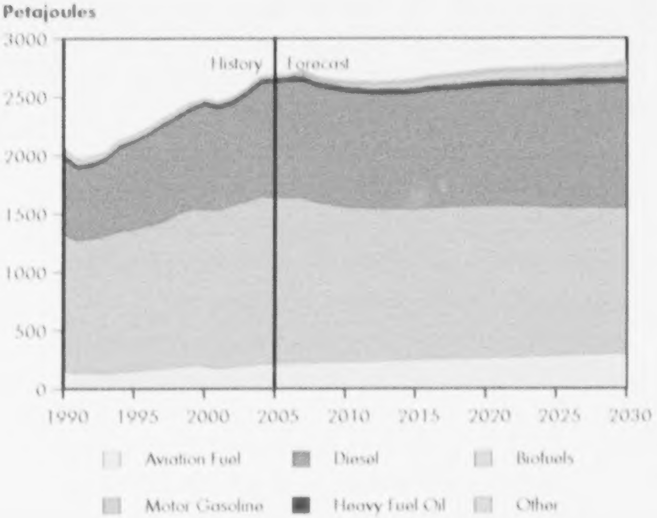
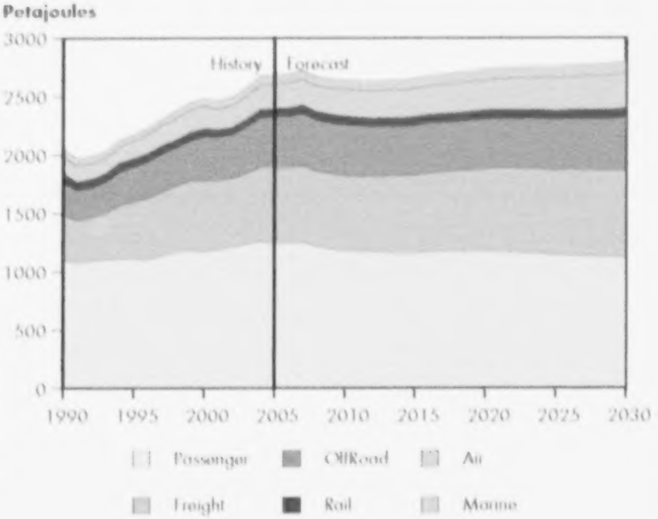


FIGURE 5.10

Canadian Transportation Energy Demand by Mode – Triple E



Oil Supply

Crude Oil and Equivalent

The Triple E Scenario, with the lowest oil price track and the greatest emphasis on environmental compliance, is the least conducive to expanding oil production levels.

Crude Oil and Bitumen Resources

Canadian crude oil and bitumen resources are the same in the Reference Case and all three scenarios[69].

Total Canada Oil Production

In the Triple E Scenario, production expands by about 1.6 percent per year until 2015 and then contracts to negative growth as lower prices and an escalating CO_2 price take effect. However,

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[69] Canadian crude oil and bitumen resources and are set out in Chapter 3 and in further detail in Appendix 3.

Transportation Technologies

For effective reductions in energy demand or emissions, change within the transportation sector is essential. This sector has been a major influence for increasing demand and emissions in Canada in the last 15 years. Increasing average vehicle weight, size and horsepower has essentially cancelled out overall efficiency gains achieved through better technology. However, the popularity of light trucks, including sport utility vehicles (SUVs), appears to have peaked. The market share of new passenger cars and light trucks in Canada has stabilized at approximately 62 percent and 38 percent respectively, according to Natural Resources Canada.

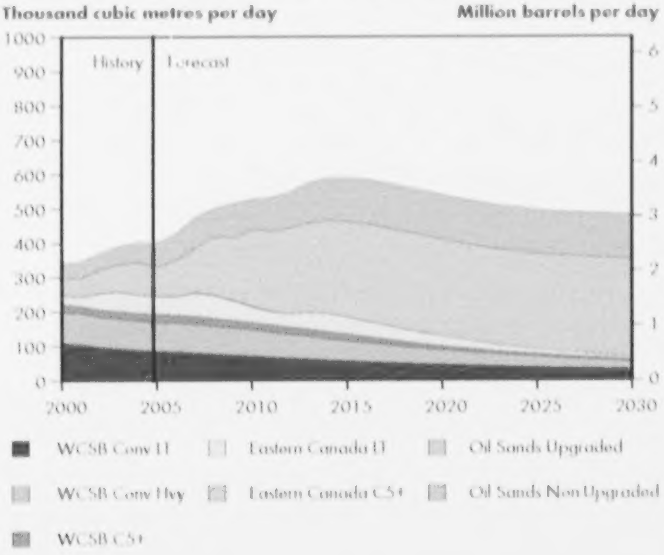
Modeling transportation energy use involves analysis of engine type, fuel type and operating environment. Road transportation, which dominates demand within the transportation sector, was reviewed in detail for potential changes. As an indication of the change that could be expected in the near future in this sector, the U.S. has recommended fuel economy improvements up to four percent a year starting in 2010. This improvement rate would be several fold over the historical rate.

The automotive industry continues to refine and perfect the performance of the internal combustion engine. The last few years have seen improvements such as cylinder deactivation, variable valve timing, Continuously Variable Transmission (CVT) and regenerative braking. Improvements evolve over many years and each may improve fuel economy by a few percentage points. Achieving significant change in transportation demand or GHG emissions would require a full slate of policy options, including consumer purchasing habits and urban planning.

The vehicles of the future could see a convergence of technologies that revolutionize energy demand. Present hybrids are seen as a transitional technology to Plug-in Hybrid vehicles (PIHV), which in turn are seen as a platform for future fuel cell vehicles. These vehicles offer the opportunity to not only 'fuel' from the utility grid, but also the possibility of supplying power to the grid. The future may see a fleet of vehicles interacting with the electrical power grid for a two-way flow of energy, charging at off-peak hours and distributing power back into the grid during critical peak loading periods.

FIGURE 5.11

Total Canada Oil Production – Triple E



government initiatives for CO_2 capture and sequestration support higher levels of improved oil recovery (IOR). Production peaks in 2014 at about 589 000 m³/d (3.71 million b/d) and falls to 482 000 m³/d (3.04 million b/d) by 2030 (Figure 5.11).

Conventional Crude Oil – WCSB

The low oil price in the Triple E Scenario makes it the least attractive for oil producers; however, large-scale CO_2 flooding, aided by a backbone CO_2 pipeline, proceeds with

Carbon Dioxide Capture and Storage and the Alberta Backbone CO_2 Pipeline

Carbon dioxide capture and storage (CCS) has the potential to significantly reduce GHG emissions from industrial sources and electricity generation. There are three stages to CCS:

- CO_2 Capture - CO_2 that is usually released into the atmosphere as a by-product of industrial processes is extracted and compressed into a more easily transportable form.
- CO_2 Transportation - the captured CO_2 is transported by pipeline or tanker to a storage area.
- CO_2 Storage - CO_2 is stored in geological formations (e.g., active or depleted oil and gas reservoirs, deep saline aquifers, and salt caverns), in the ocean, or in mineral carbonates. It may be permanently stored or used in industrial processes. Carbon dioxide storage in geological formations shows significant potential. Research is ongoing to determine the feasibility of CO_2 storage in the ocean or in mineral carbonates. Industrial processes are thought to have limited applications for large reductions in GHG emissions.

Alberta is a good candidate for CCS because of the proximity of large industrial sources of high purity CO_2 to the Western Canada Sedimentary Basin (WCSB) (e.g., oil sands facilities, natural gas plants, ammonia plants, and potentially in the future fossil fuel-fired electricity generating plants). The WCSB is a well understood geological basin with infrastructure in place that could be leveraged for CO_2 transportation and injection. The development of a large-scale CO_2 pipeline that would connect major industrial GHG emitters and storage sites within the province has been proposed. This 'backbone' pipeline would likely run from Fort McMurray and the Edmonton/Fort Saskatchewan area to the Swan Hills and Pembina fields. It could also connect to the Weyburn and Midale fields in Saskatchewan. The CO_2 that is captured could be used in IOR. Carbon dioxide captured in excess of IOR demand can be stored in the WCSB.

There are technological and economic challenges to the development of CCS. According to the Intergovernmental Panel on Climate Change, CCS systems can be assembled from existing technologies; however, the combination of these technologies into one system has yet to be proven. As well, there is a gap between the price that IOR industries would be willing to pay for CO_2 and the price that industries would demand to cover the costs of capturing CO_2. Government policies are likely necessary to close this gap.

Web Resources:

Intergovernmental Panel on Climate Change (IPCC) - Special Report on Carbon Dioxide Capture and Storage http://arch.rivm.nl/env/int/ipcc/pages_media/SRCCS-final/IPCCSpecialReportonCarbondioxideCaptureandStorage.htm

International Energy Agency (IEA) Greenhouse Gas R&D Programme - CO_2 Capture and Storage website http://www.co2captureandstorage.info/

Government of Canada - Canada's CO_2 Capture and Storage Technology Roadmap http://www.nrcan.gc.ca/es/etb/cetc/combustion/co2trm/htmldocs/ccstrm_main_e.html

FIGURE 5.12

Alberta Backbone CO_2 Pipeline Schematic

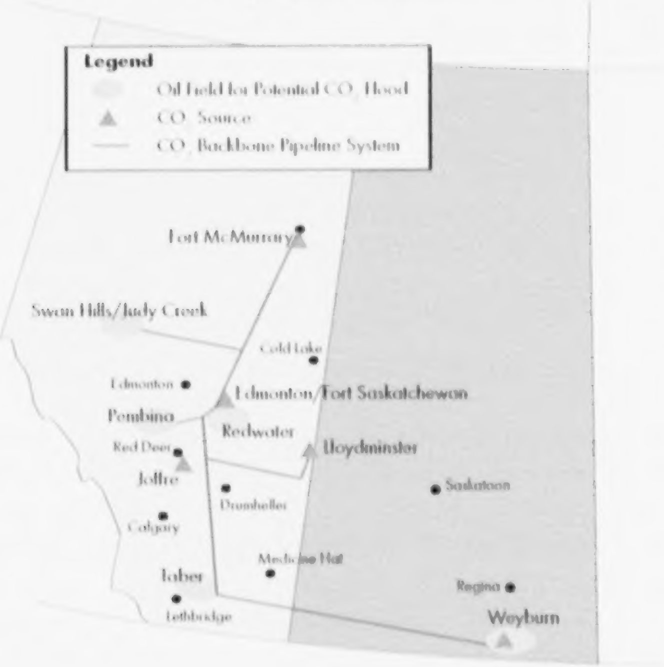
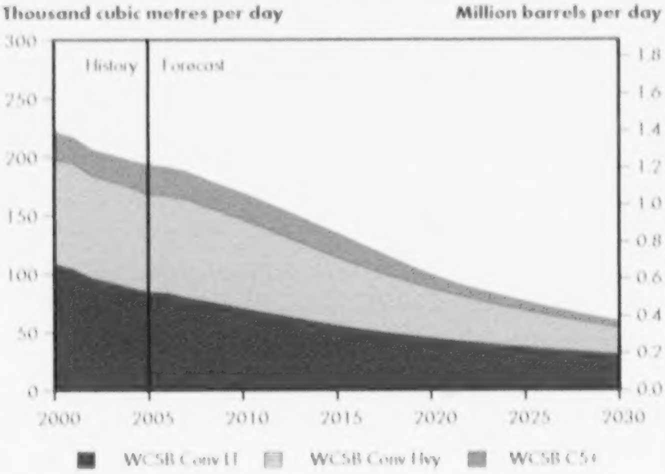

Legend
Oil Field for Potential CO_2 Flood
CO_2 Source
CO_2 Backbone Pipeline System
Fort McMurray
Swan Hills/Judy Creek
Cold Lake
Edmonton
Edmonton/Fort Saskatchewan
Pembina
Redwater
Red Deer
Lloydminster
Joffre
Drumheller
Saskatoon
Calgary
Medicine Hat
Taber
Regina
Lethbridge
Weyburn

FIGURE 5.13

WCSB Conventional Oil Production – Triple E



government support (see text box). Overall production levels decline, but slow growth resumes late in the scenario as costs align with changing market conditions.

The effect of the emphasis on CO_2 flooding in the Triple E Scenario is to moderate the rate of decline such that the conventional light oil decline rate is 4.2 percent compared with five percent for the Continuing Trends Scenario (Figure 5.13).

With respect to heavy conventional crude oil, in the Triple E Scenario, lower prices and the costs of more stringent environmental conditions slow the early production momentum. As well, in this more environmentally sensitive scenario, a preference for light crude oil could mean tighter markets for heavy crude. Production falls to 23 000 m^3/d (145 thousand b/d) by 2030.

Eastern Canada Light Crude Production

Projections for eastern Canada oil production are dominated by the east coast offshore, with only minor amounts of production expected from Ontario.

The oil price track in the Triple E Scenario is not conducive to oil supply expansion on the East Coast after 2015. In Triple E, no satellite pools are included, and no additional large pool is assumed. Supply peaks at 65 000 m^3/d (410 thousand b/d) in 2007 and declines to 6 700 m^3/d (42 thousand b/d) by 2030 (Figure 5.14).

Oil Sands Supply

In Triple E, the lower oil prices and the higher costs of enhanced environmental conditions slow activity precipitously (Figure 5.15). By 2020, only existing projects continue to produce and production declines for several years. After a period of adjustment, slow growth appears after 2027. Production reaches 416 000 m³/d (2.62 million b/d) by 2030 in the Triple E Scenario. Upgraded bitumen volumes total 286 000 m³/d (1.80 million b/d) while non-upgraded volumes total 131 000 m³/d (825 thousand b/d). There is no oil sands production from Saskatchewan assumed in this scenario.

FIGURE 5.14

Eastern Canada Crude Production – Triple E

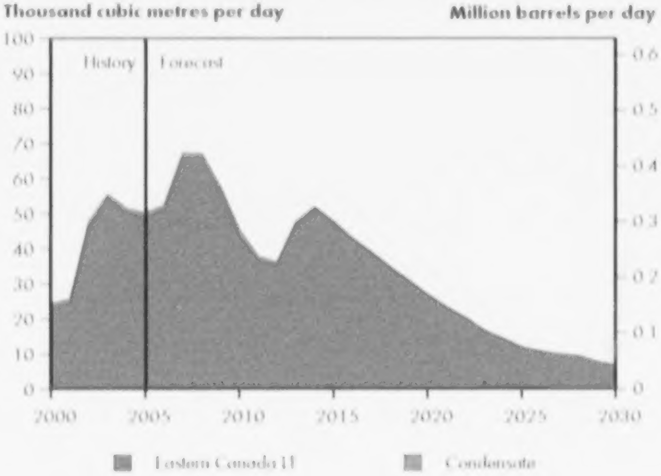
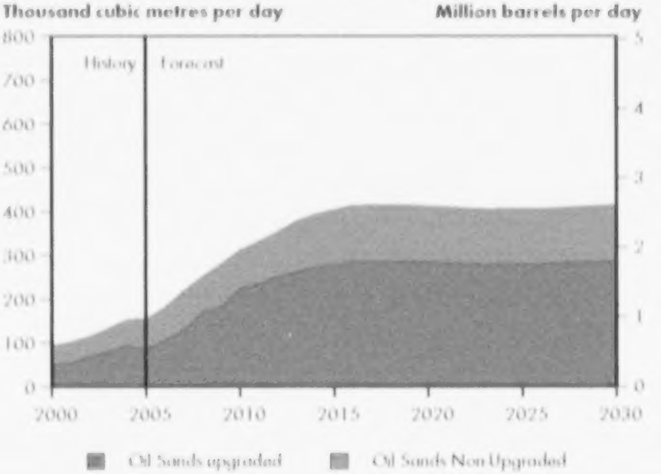


FIGURE 5.15

Canadian Oil Sands Production – Triple E



Triple E is the most environmentally conscious scenario, with government incentives in place to reward improved energy efficiency. In this scenario, annual improvement in energy efficiency is assumed to be 1.5 percent, as opposed to 1.0 percent in the other scenarios. In addition, government initiatives to support CO_2 capture and storage encourage some switching to bitumen gasification to provide energy for oil sands operations, in spite of low oil prices. In this scenario, the purchased natural gas intensity is reduced from 0.67 Mcf/b in 2005 to 0.30 Mcf/b in 2030. Total purchased natural gas requirements, excluding on-site electricity requirements, increase slightly from 0.65 Bcf/d in 2005 to 0.9 Bcf/d by 2030, in line with muted oil sands production growth.

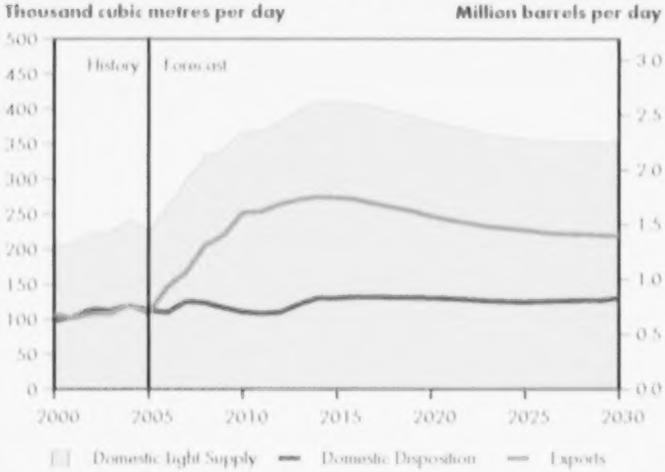
Supply and Demand Balances

The Triple E Scenario shows a lower production forecast and the earliest decline in conventional production. The domestic demand for petroleum products in 2005 is 290 900 m³/d (1.83 million b/d) and increases to 331 800 m³/d (2.09 million b/d) in 2015. By 2030, demand is 358 600 m³/d

(2.26 million b/d). There is a greater focus on the production of cleaner transportation fuels and energy efficiency.

FIGURE 5.16

Supply and Demand Balance, Light Crude Oil – Triple E

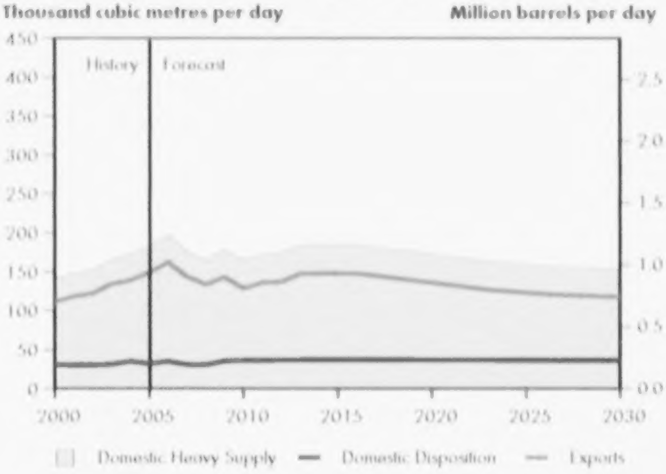


Light Crude Oil – Supply and Demand Balance

Exports of light crude oil increase sharply from 110 200 m³/d (694 thousand b/d) in 2005 to peak at 278 400 m³/d (1.75 million b/d) in 2015. Subsequently, exports drop to 222 600 m³/d (1.40 million b/d) by 2030, a direct result of the sharp decline in conventional light crude oil production and no growth in synthetic crude production (Figure 5.16).

FIGURE 5.17

Supply and Demand Balance, Heavy Crude Oil – Triple E



Heavy Crude Oil – Supply and Demand Balance

Exports of heavy crude oil in 2005 are 149 200 m³/d (940 thousand b/d), and remain around that level until 2015, at which point exports begin a steady decline to 117 500 m³/d (740 thousand b/d) by 2030 (Figure 5.17).

Natural Gas Supply

Canadian Natural Gas Resource Base

In the declining price environment of the Triple E Scenario, the more costly portions of the unconventional resource base are no longer economic to develop. Consequently, the remaining resource base for coalbed methane (CBM), tight gas and shale gas in Western Canada is reduced relative to the other scenarios[70]. Compared to the Reference Case and Continuing Trends Scenario, the estimated remaining CBM resource base is lower by 26 percent, with tight gas and shale gas remaining resources reduced by almost 40 percent each.

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[70] As shown in Appendix 4.

Unlike unconventional gas, the estimate of the remaining conventional resource base is unchanged from the level in the Reference Case and Continuing Trends Scenario. The estimate of the remaining conventional resource base is defined by the minimum reservoir size for each play type that is considered technically feasible for the industry to develop. Within the price range considered, the minimum reservoir sizes adopted in the resource estimate for the Reference Case and Continuing Trends Scenario remain applicable in the Triple F Scenario.

The remaining resource base for frontier projects is also unchanged in Triple F. The frontier resource estimate from the Reference Case and Continuing Trends Scenario incorporates the NEB's best current estimate of technically recoverable marketable gas and is applicable to the range of prices considered. A major challenge in a lower price environment is to overcome technical and locational cost barriers to the construction of infrastructure required to access remote frontier resources. As the likely development of frontier resources over the period to 2030 is only a minor fraction of the total frontier resource base, a downward adjustment to the estimate would be of minimal consequence to the supply outlook.

Production and LNG imports

In this scenario, strong growth in worldwide LNG supply makes imported gas a viable option for a substantial portion of Canadian natural gas requirements. Canadian gas producers may choose to also participate to varying degrees in international LNG opportunities. The availability of abundant LNG imports could eliminate the need to pursue development of some high cost conventional, unconventional and frontier supplies within Canada.

Liquefied Natural Gas

In 2005, Canada and the U.S. represented 26.3 percent of global natural gas consumption. Over 98 percent of this requirement was sourced from within the two countries. However, over 96 percent of worldwide remaining proved gas reserves are estimated to be located outside Canada and the U.S. Under certain market conditions, it may be advantageous for North America to tap into a larger share of the global natural resource base and import greater amounts in the form of ship-borne LNG. Total world LNG trade in 2005 was roughly 567 million m^3/d (20 Bcf/d), and future LNG projects either under construction or proposed could potentially increase LNG supply to around 1 700 million m^3/d (60 Bcf/d) in the next decade, according to Tristone Capital.

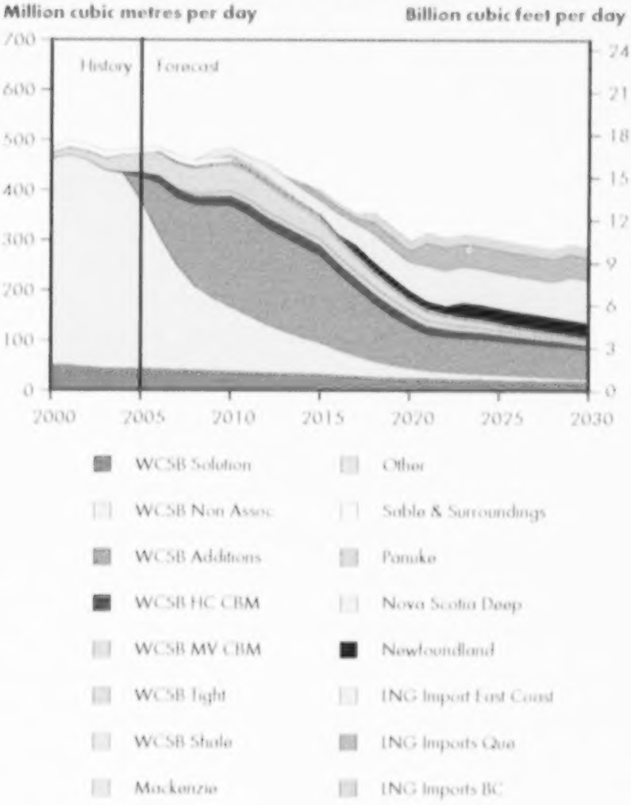
Should such a substantial build up occur, it is possible that the rise in LNG supply could exceed growth in market demand. Under such conditions, LNG suppliers may be forced to compete with each other on price to deliver volumes into already adequately supplied markets. This situation could see prices competed down to the average marginal cost of LNG, currently estimated at roughly $5.04/GJ (US$5.30/MMBtu) delivered to North America, according to Tristone Capital. At this price level, higher-cost domestic gas production would potentially be displaced by incremental LNG imports. Perhaps in recognition of the potential for such price-eroding LNG-on-LNG competition, some current and prospective LNG suppliers have begun very preliminary discussions of the potential to form a gas equivalent of OPEC to assist in cooperatively managing worldwide LNG supply.

Substantial increases in North American LNG import capacity have occurred or are currently under construction including expansions at four of the five existing terminals and seven new terminals (four on the U.S. gulf coast, two in Mexico and the Canaport project in New Brunswick). Over 40 additional import terminals have been proposed for the U.S. and Canada, but only a fraction of these might ever be built. In general, proposals for LNG terminals along the east and west coasts of the U.S. have tended to attract greater site-related local opposition than those along the Gulf coast.

Lastly, North America's large underground gas storage capacity relative to other major LNG markets (also located primarily in the northern hemisphere) may lead to greater LNG imports during the summer months than during the peak heating season.

FIGURE 5.18

Natural Gas Production Outlook – Triple E



Liquefied natural gas imports are projected to begin in 2009 at 14 million m^3/d (0.5 Bcf/d) and grow steadily to 150 million m^3/d (5.3 Bcf/d) by 2029, as shown in Figure 5.18. Liquefied natural gas volumes would be offloaded at an estimated seven receiving terminals, ranging in capacity from 14 to 28 million m^3/d (0.5 to 1.0 Bcf/d). Import terminals could potentially be developed at appropriate coastal locations in Nova Scotia, New Brunswick, Newfoundland and Labrador, Quebec, and British Columbia. Projected LNG imports are equivalent to 50 percent of domestic production by 2020 and rise steadily to slightly exceed domestic production by the end of the outlook period.

Given the lower price environment and access to abundant imports, annual levels of gas drilling in Canada can be reduced substantially to be highly selective of prospects, maximize drilling efficiency and minimize cost escalation. In Western Canada, this would involve drilling an average of 8 000 gas wells annually from 2015 to 2030, a level of activity similar to that experienced in the late 1990s. At these lower drilling rates, conventional gas production in Western Canada would decline fairly rapidly to fall by approximately one-third by 2015 and 80 percent by 2030.

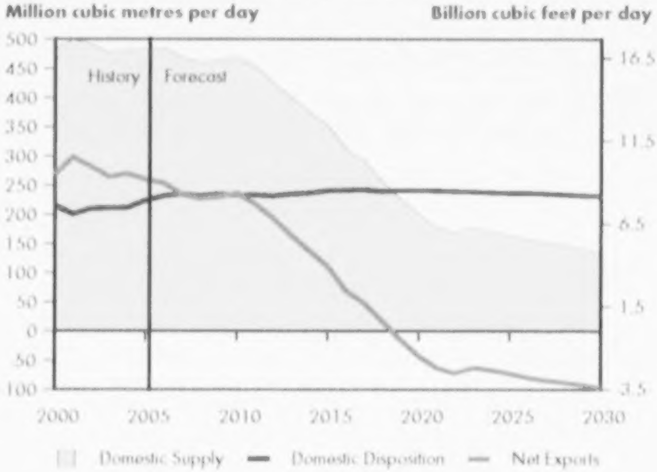
Similarly, the drilling-intensive nature of unconventional resources is not well suited to the minimal activity conditions of Triple E. Tight gas production exhibits modest growth through 2012 before gradually declining to less than 6 million m^3/d (0.2 Bcf/d) by 2030. Shale gas struggles to be competitive and never rises above 6 million m^3/d (0.2 Bcf/d). Coalbed methane development stabilizes at just over 28 million m^3/d (1 Bcf/d) from 2010 to 2019 and then gradually declines by half over the remainder of the projection.

Natural gas developments associated with oil projects off Newfoundland's Grand Banks remain competitive as a substantial component of the original development costs are absorbed by the oil operations. Frontier projects in more remote locations, including Mackenzie Delta gas, are not developed in Triple E as natural gas prices are insufficient to offset the costs of building the required pipeline or shipping infrastructure to connect to markets.

Supply and Demand Balance

FIGURE 5.19

Supply and Demand Balance, Natural Gas – Triple E



Lower supply costs in Triple E are achieved through a combination of declining Canadian natural gas production and rising LNG imports. This combination provides a gradual reduction in the natural gas supply available in Canada from 481 million m^3/d (17 Bcf/d) in 2005 to 397 million m^3/d (14 Bcf/d) in 2015 and 283 million m^3/d (10 Bcf/d) by 2030. With the U.S. also increasingly served by growing LNG imports, the reduction in natural gas supply in Canada corresponds to a reduction in requirements for Canadian natural gas exports to the U.S.

Energy efficiency improvements and reduced oil sands requirements slow Canadian natural gas demand growth to just seven percent between 2005 and 2030. Canadian demand is satisfied through a combination of Canadian domestic production and LNG imports. The remaining differential between supply and demand averages 62 million m^3/d (2.2 Bcf/d) between 2020 and 2030 and would be available for export to the U.S.

In the Triple E Scenario, Canada becomes a net importer of natural gas after 2018. This reflects a conscious strategy to reduce natural gas supply costs by focusing Canadian gas development on lower cost conventional, unconventional and frontier sources, while augmenting supplies with imports of abundant LNG. With the U.S. market also amply supplied with additional LNG imports, a gradual reduction in Canadian natural gas exports to the U.S. would be accommodated under normal market behaviour as the lowest cost option for all market participants. Market imbalance conditions of the type required to invoke a North America Free Trade Agreement (NAFTA) proportionality determination are inconsistent with the low cost, stable international investment and efficient market premises of the Triple E Scenario. A more unsettled international environment is consistent with the Fortified Islands Scenario, where Canadian gas exports to the U.S. are generally increasing rather than decreasing.

Natural Gas Liquids

Supply and Disposition

In the Triple E Scenario, the butane supply and demand balance becomes tight near the end of the outlook period, as WCSB conventional natural gas production decreases and demand for oil sands diluent and motor gasoline blending continues to grow. As a result, no excess supply is available for export as of 2021[71].

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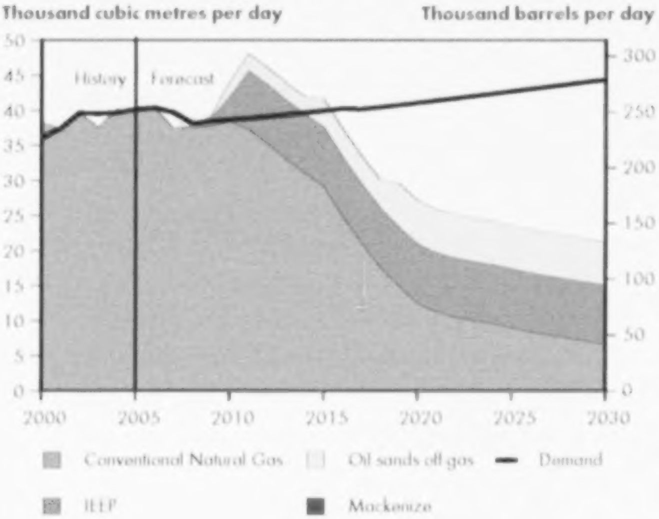
[71] Further detail on the propane and butane supply and demand balances can be found in Appendix 3.

FIGURE 5.20

Canadian Ethane Supply and Demand Balance – Triple E

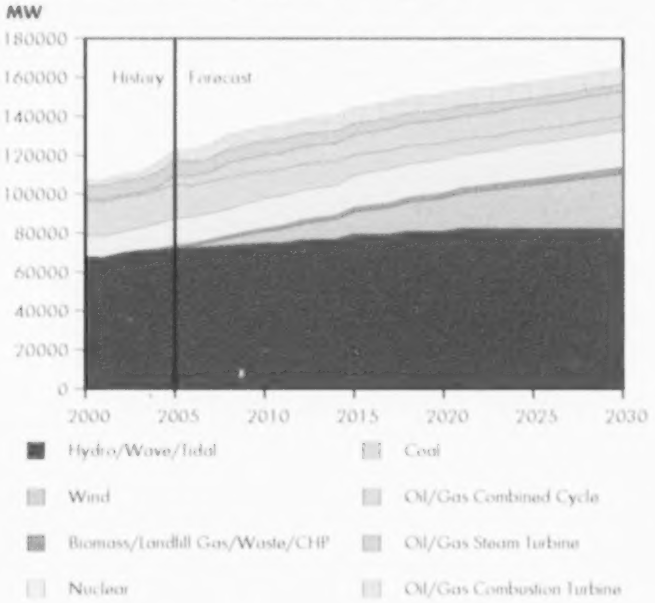


Ethane Supply and Demand Balances

Under the Triple E Scenario, demand exceeds supply early in the period, with the ethane shortfall of about 2 900 m³/d (18 thousand b/d) commencing in 2016, increasing to about 23 000 m³/d (145 thousand b/d) by the end of the outlook period (Figure 5.20). The ethane deficit is highest in the Triple E Scenario. This deficit is caused mainly by the significantly lower supply of conventional ethane. In this scenario, WCSB conventional natural gas production is the lowest due to the declining price environment. Moreover, there is no ethane associated with Mackenzie Delta gas, as the pipeline project is assumed to be uneconomic as a result of low natural gas prices.

FIGURE 5.21

Canadian Generating Capacity – Triple E



Electricity Supply

Capacity and Generation

In the Triple E Scenario, the combination of energy demand management policies and changes in societal values relating to energy use implies that demand for electricity will start to decline after 2016. Due to the cost of controlling CO_2 and other emissions end-use energy prices remain strong despite the decrease in electricity demand and lower crude oil and natural gas prices.

Generation capacity increases by 34 percent between 2005 and 2030 and includes large numbers of wind power facilities and other non-traditional technologies that are forecast to generate electricity intermittently (Figure 5.21). The environmental policy of the Triple E Scenario enables funding of more efficient types of generation and the development of alternatives to traditional generation. It also encourages the advancement of purely environmental applications, such as CO_2 capture and storage. Great strides are made in terms of balancing environmental, economic and energy considerations. In this respect, concern about the cost incurred to implement environmental initiatives is balanced by concern for the environment.

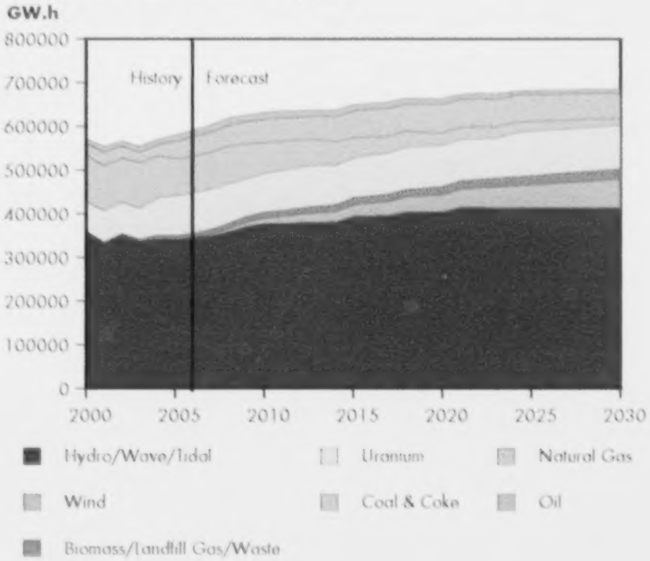
Hydro

In addition to the units listed in the Reference Case, after 2015 the following hydro facilities will be constructed: Peace River Site C (900 MW) in British Columbia and both Conawapa (1 380 MW) and Gull/Keeyask (600 MW) in Manitoba.

Hydroelectric generation will provide about 60 percent of electricity needs throughout the forecast period (Figure 5.22). Capacity expands to 82 400 MW by 2030, a further increase of 3 000 MW from 2015 and 10 000 MW from 2006.

FIGURE 5.22

Canadian Generation – Triple E



Nuclear

Total nuclear capacity increases 42 percent between 2005 and 2030, an increase of 5 500 MW from 2005. Assumptions about nuclear capacity are the same as in the Continuing Trends and Fortified Islands Scenarios.

Natural gas-fired

Due to its lower price in this scenario and increased concern about environmental effects, natural gas is the preferred fuel for conventional generation outside Alberta and Saskatchewan.

Coal-fired

Falling demand, combined with competition from natural gas and emerging technologies, indicates that installed coal capacity falls from 14 to 4.3 percent of total installed capacity by 2030. In Alberta and Saskatchewan, there is renewed interest in coal generation starting in 2019 and advanced coal plants equipped for CO_2 capture and storage come into service.

Oil-fired

Lower electricity demand, combined with switching to cleaner-burning natural gas, reduces generation from oil-fired units by 37 percent by 2030, despite the construction of 640 MW of bitumen-fired oil sands cogeneration plants in Alberta. In 2020 retiring oil-fired generation in Newfoundland is replaced with a 180 MW natural gas-fired combined-cycle generation.

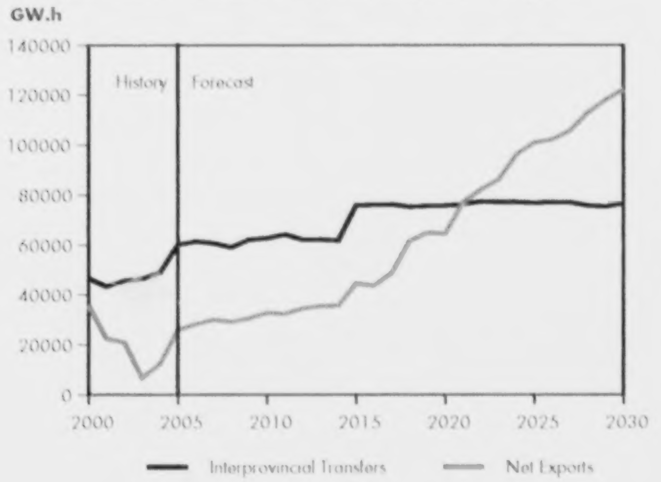
Emerging Technologies

Wind, small hydro and biomass will continue to be the most popular alternatives to traditional generation technologies, while emerging technologies such as solar, geothermal and wave power are forecast to experience large gains. For example, substantial growth in wave power is evidenced by the addition of 60 MW on the east and west coasts between 2015 and 2030. While these technologies show promise, the impact of emerging technologies is, and will likely remain, small relative to traditional generation types over the outlook period considered.

Wind generation makes up the highest percentage of installed capacity in the Triple E Scenario, reaching 17 percent by 2030. This will require investment in transmission and control systems to compensate for the intermittent nature of wind generation; however, environmental concerns make the investment worthwhile.

FIGURE 5.23

Interprovincial Transfers and Net Exports – Triple E



Exports, Imports and Interprovincial Transfers

Canadian net exports triple from 2006 to 122 000 GW.h in 2030 (Figure 5.23). This dramatic increase is due in large part to moderation of demand due to energy conservation measures, combined with availability of hydro and other alternative sources of generation that are favoured because of their contribution to reducing GHG emissions. The increase in interprovincial electricity transfers (by 23 percent to 76 400 GW.h in 2030) is much less marked, but still substantial.

Coal

Supply and Demand

In Triple E, there is a shift away from thermal coal used for power generation to gas-fired generation due to environmental concerns. Downward pressure on coal demand is exerted by the retirement of existing coal units, conservation and demand management, more efficient plants and the choice to construct cleaner alternatives to coal plants. It is assumed that CCS technology becomes available around 2020 and is only employed in the Triple E Scenario.

Coal demand and production growth are lowest in Triple E. Canadian coal production decreases to 39 Mt in 2030 from 49 Mt in 2015 because of the decrease in domestic demand of thermal coal. Thermal coal demand decreases to 7 Mt in 2030 from 22 Mt in 2015, with the preference for gas-fired generation choices to replace ageing coal-fired plants. There is a policy shift away from coal used in generation in Triple E, due to environmental concerns. Metallurgical and end-use coal demand decreases to 5 Mt from 7 Mt in 2015 due to declining output in the domestic iron and steel

Clean Coal and Carbon Dioxide Capture and Storage

In addition to oil sands plants and chemical facilities, coal-fired generating stations are another potential source of CO_2 for CSS. Alberta and Saskatchewan are good candidates for this technology, as they have access to cheap coal and to sites in the WCSB where CO_2 could be sequestered as part of IOR projects. Saskatchewan is currently in the final stages of developing a proposal for a 300 MW clean coal power plant equipped to capture 90 percent of the plant's CO_2 emissions. If this project proceeds, it could be in service as early as 2012.

There are a number of potential technologies for power plant CCS, which involve either scrubbing CO_2 from the exhaust stream after combustion or removing it from the fuel before power is generated.

Post combustion scrubbing is less efficient, but it allows the plant to operate as a conventional facility if there are technical difficulties with the CO_2 scrubbers. For this reason, and because of familiarity with the technology, Saskatchewan has selected the OxyFuel process. The OxyFuel process facilitates post-combustion CO_2 scrubbing by enriching the oxygen content of the combustion air.

Pre-combustion scrubbing typically involves combining CO_2 capture with an IGCC. Integrated Gasification Combined Cycle plants turn coal into synthesis gas, a mixture of carbon monoxide (CO) and hydrogen (H_2), which is then burned in a conventional combined-cycle power plant. Carbon dioxide capture uses the reaction ($H_2O + CO \rightarrow H_2 + CO_2$) to produce hydrogen gas for combustion and CO_2 for sequestration. Combining the CO_2 capture with the gasification process allows for higher efficiency, but makes the functioning of the plant dependent on the reliability of CO_2 capture equipment.

For more information on clean coal technology, see the coal chapter in our Energy Market Assessment: *Emerging Technologies in Electricity Generation, Energy Market Assessment March 2006* at www.neb-one.gc.ca.

industry. Metallurgical coal production increases somewhat with growth in the world iron and steel industry while thermal coal production decreases significantly to 6 Mt in 2030 from 18 Mt in 2015. Imports of coal are expected to decrease to 5 Mt in 2030 from the initial 10 Mt imported in 2015 while exports are expected to increase to 32 Mt in 2030 from 30 Mt in 2015. Net exports grow moderately by 24 percent between 2015 and 2030 due to the higher level of international trade and significant decrease of imported thermal and metallurgical coal.

Imports of thermal coal decline to 54 percent from 2005 to 2015 due to the phase out of Ontario coal-fired generation and the replacing of coal-fired plants with gas-fired plants. By 2030, imports of metallurgical coal are down 40 percent from 2015 due to declining iron and steel output. Exports of thermal coal remain low in Triple E.

Greenhouse Gas Emissions

Canadian total GHG emissions in the Triple E Scenario are expected to decrease by 0.1 percent per year between 2004 and 2030 (Figure 5.24). These declines are a result of long-run government policies directed at balancing energy use, environmental impacts and economic growth. The policies focus on improving the energy efficiency of the Canadian economy, including improving vehicle fuel efficiency, buildings and industrial processes. The policies also focus on supporting the development

FIGURE 5.24

Canadian Total GHG Emissions by Sector – Triple E

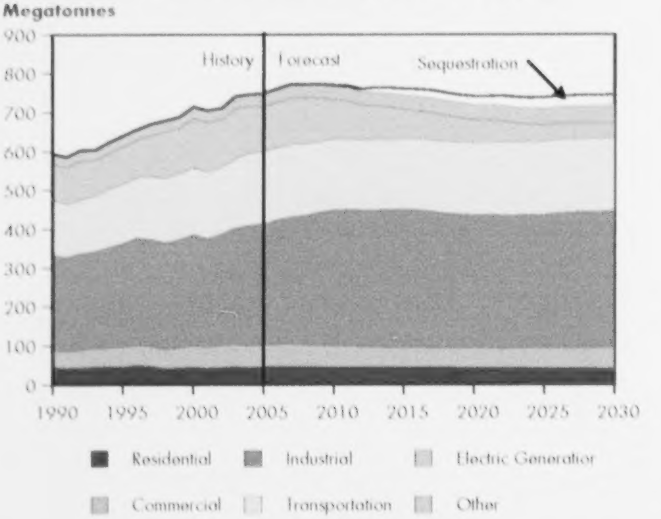
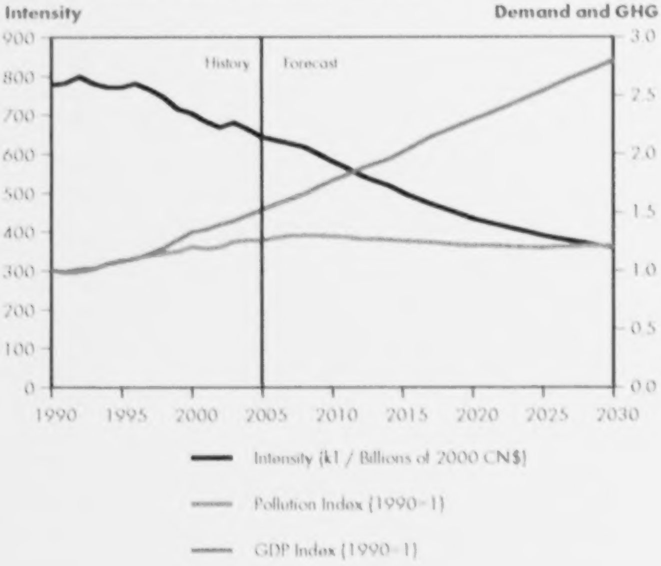


FIGURE 5.25

Canadian Total GHG Intensity – Triple E



of less GHG-intensive fuels, such as investments in wind generation, ethanol and biodiesel fuel use in the transportation sector and solar and geothermal fuel use in the residential and commercial sectors. Another important component is GHG emissions sequestration in the energy sector, which eliminates 3.6 percent of total emissions in Canada by 2030, bringing the level down from 746 Mt to 719 Mt.

The GHG intensity in Canada declines over the forecast at a rate of 2.3 percent per year in Triple E (Figure 5.25). This is much faster than the historical rate of 1.1 percent as a result of implemented energy policies, alternative energy use increases and sequestration.

In the Triple E Scenario, a number of programs are explored. In developing these assumptions, the NEB reviewed information on current and proposed energy and environmental policies both in Canada and internationally. Dozens of reports and hundreds of policies and programs were evaluated for inclusion. Ultimately, policies were modeled for *Canada's Energy Future* based on the following criteria:

- programs and policies enjoy broad acceptance – the programs and polices have a long history of use, are frequently employed, or have been repeatedly proposed as solutions;
- pragmatic policies and programs – the literature suggests that the policy or program will lead to a measurable impact on energy demand or emissions within the timeframe of the scenario analysis, or they are derived from best-in-class experiences from around the world;
- build on Canadian experiences – wherever possible, the methods employed to address energy and environmental issues are based on current Canadian programs;

- comprehensive coverage – numerous policies for each demand sector were adopted to ensure that the many factors contributing to decision-making processes were addressed; and
- ease of quantification and modeling – when competing policies satisfied the above filters, the policy that was more straightforward to model or quantify was employed. For example, Canada is developing an emissions trading system for the industrial sector. As a proxy for this program, we have modeled an emissions price. The industrial emissions trading system can be incorporated in future analysis once the details of the system are in place.

Recent federal government announcements have targeted a reduction in Canadian GHG emissions of 20 percent below 2006 levels by the year 2020. In this scenario, Canada only partially meets the target.

This report is an analysis of Canada's possible energy futures. As such, the report focuses strictly on GHG emission reductions from energy-related activities in Canada (e.g., energy efficiency measures, improved energy management systems or investment in CCS). The analysis does not directly focus on GHG emission reduction strategies. For example, the analysis does not incorporate two potential sources of GHG emissions reductions: (a) non-energy related emission reductions such as carbon sequestration in agricultural and forestry; and (b) GHG emission reductions from international mechanisms such as access to Kyoto's Clean Development Mechanism, or international CO_2 emissions trading regimes. Consideration of these and others as part of a full spectrum of GHG reduction strategies could go along way in contributing to Canada meeting its target of 20 percent by 2020.

It is also important to note that significant uncertainty exists over how consumers and technology will react to energy demand management and GHG emission policies. Every effort was made to include the most up-to-date information. However, climate policy and technological advancements rapidly evolve. More rapid progression of technology than assumed here or a higher willingness of consumers and industry to make significant lifestyle and production changes would result in a more aggressive GHG emission reduction profile. For example, it is assumed that by 2030 almost 30 Mt per year of GHG emissions are used in IOR or sequestered as a result of the CO_2 backbone pipeline. This number could prove to be higher depending on technological advancement and consumer acceptance.

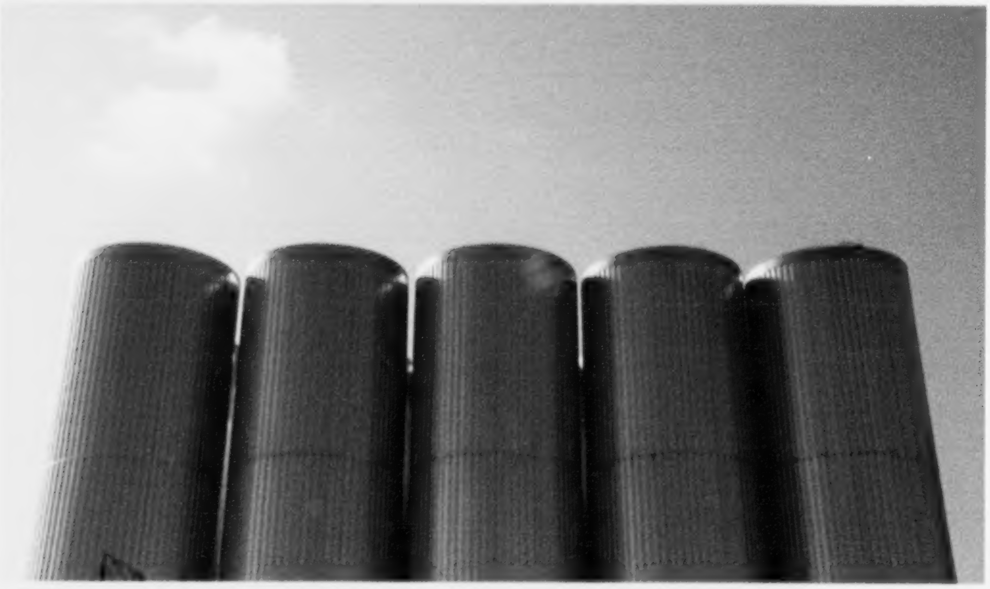
Triple E Issues and Implications

- In Triple E, heightened awareness of energy issues has led to significant changes in the way Canadians use energy. These changes influence every part of life. People live in more densely populated communities, they use more efficient modes of transportation, and efficiency of goods and services is a key criterion shaping purchasing decisions. Progressive government policies encourage many of the changes in this scenario. As a result, despite moderate end-use energy prices and economic growth rates, the overall energy demand in this scenario is the lowest of all three scenarios.
- Access to resources on a worldwide scale and more moderate energy demand growth result in an abundance of energy supplies in the world in the Triple E Scenario. Canada relies on LNG imports for a significant portion of its supply in response to increased security of trade. This reduces the need to access high cost or remote resources within Canada and enable lower energy costs. In addition, availability of global oil supplies lowers oil prices resulting in slower Canadian oil production profiles with the exception of CO_2 flooding, aided by a backbone CO_2 pipeline.
- As a result of energy efficiency improvements and CCS technologies, GHG emissions decline in this scenario. This is a significant finding as it would be the first time in

Canadian history that GHG emissions decline over the long-term as a result of a concerted effort to manage emissions.

- It is also noteworthy that GHG emissions reductions occur despite growing economic activity. In the past, GHG emissions and economic growth have been linked. However, the programs and polices implemented in this scenario weaken this link and allow for economic growth while simultaneously lowering emissions.
- In some ways, Triple E might be regarded as a high-risk scenario. Aggressive energy demand management and GHG emissions reductions programs, technological advancements and cooperative international relations underpin the scenario outcomes. The absence of any of these factors put at risk scenario results.
- The implementation of the government programs and policies included in this scenario is not a simple matter. Significant debate would be required to ensure a balance of various objectives is achieved, including GHG emission reductions, program cost-effectiveness, distributional impacts and minimizing competitiveness implications.
- Many of the technologies require continued advancement to be economic, such as Integrated Gasification Combined Cycle (IGCC) with CCS and cellulosic ethanol technology. In addition, increased penetration of intermittent technologies, such as wind, creates potential reliability issues.
- Similarly, the expectation of more cooperative international relations and a shift in consumers' values to adopt lifestyle changes included in this scenario are highly uncertain.

CHAPTER SIX



FORTIFIED ISLANDS

Fortified Islands is the scenario wherein security concerns are top of mind. This scenario is characterized by geopolitical unrest, a lack of international cooperation and trust, and protectionist government policies.

Scenario Overview (2005-2030)

Global Forces

At the beginning of the Fortified Islands Scenario, geopolitical tensions around the world threaten energy supply. This raises concerns about energy security in major energy-consuming regions that see energy resources increasingly becoming concentrated outside of their borders and their sphere of control. Increased security risks add a premium to fuel costs and by 2010, energy prices are at near record highs.

Despite these higher energy prices, adequate investment in global energy supplies and infrastructure do not take place, as political relations around the world continue to become more tenuous and access to energy resources and the capital to develop them becomes increasingly more difficult. Unlike in the Triple E Scenario, international cooperation is not seen as a viable option to deal with supply shortages and countries turn inwards or toward 'friendly' trading partners to find solutions. Large energy-consuming nations focus on energy self-sufficiency, and the development of domestic energy resources are a top priority. Pockets of technological development occur to reduce energy demand and increase supplies of alternative resources. However, the lack of global cooperation hinders deployment across countries.

A lack of trust between nations leads to increased trade barriers and other roadblocks that restrict supply chains and reduce the benefits of trade. These factors take their toll: global energy markets remain tight, oil prices remain high and unpredictable, and global economic growth is restrained.

The social and environmental principles espoused under 'sustainable development' at the turn of the century are less prevalent by the end of the Fortified Islands Scenario. Instead, national defence and job creation are topical issues. Further, international agreements on major environmental issues such as climate change remain tenuous and non-binding. Instead, environmental issues are addressed locally and are more likely a co-benefit of energy demand management, rather than a result of dedicated programs to improve emissions.

By 2030, energy security trumps environmental concerns in this scenario and, therefore, significant investments in local energy options including coal take place. Countries are also more willing to develop higher cost unconventional resources even if this may mean environmental trade-offs. Energy demand is lower in Fortified Islands than in the other scenarios because of the slower economic growth rates and high world energy prices.

Canadian Outcomes

Despite Canada's abundant energy resources, Canadians are not immune to security concerns shaping the globe, although they are affected differently. The Fortified Islands Scenario has the slowest economic growth for Canada. The more protectionist policies of Canada's trading partners and the reduction in demand worldwide have resulted in relatively slow overall growth in Canada. The energy industry is the exception. Limited access to global resources ensures Canadian supplies are in high demand.

In this scenario, large energy importers are conscious of their uncertain situation and self-reliance is the central theme in their domestic energy policies. A different dynamic occurs in countries like Canada, where there is a dual policy focus of providing safe, secure and affordable access to domestic supply, while also meeting international demand, in particular U.S. demand, in an integrated North American market. Canada develops an 'energy complex' in this scenario including returning the Sarnia-Montreal pipeline to eastbound service, by which Quebec gains access to western Canadian crude oil supplies. These projects are undertaken to ensure value added from resource supplies are derived domestically.

Canada's energy demand in this scenario is low due to slow economic growth. Canada's technology focus is on increasing energy supply and distribution. There is no national consensus on demand management issues or programs; however, Canada's energy intensity maintains a gradual improving trend. This is mostly due to high energy prices and North America-wide efficiency standards for appliances and transportation equipment. Although Canada is not subject to the same energy security issues as many countries, energy standards on imported goods is indicative of the efficiency legislation in place elsewhere.

Macroeconomic Outlook

Slow global economic growth and tight, unpredictable global energy markets shape the Canadian macroeconomic outlook in Fortified Islands. Population growth slows to 0.7 percent per year and labour force growth to 0.6 percent per year (Table 6.1). Productivity measured as output per employee is 1.2 percent per year. Slower export demand means less need to increase participation rates, keeping labour force growth low. It also means fewer resources for investment in capital, resulting in productivity levels lower than the other scenarios.

These combined factors lead to the slowest gross domestic product (GDP) growth of the three scenarios, averaging 1.8 percent per year.

In Fortified Islands there is a shift in the structure of the economy. The goods and services sector share drops as resources take a larger share of the economic base. The regional distribution of

Canadian economic growth in Fortified Islands also evolves. Western Canada expands at the expense of eastern Canada. Alberta, British Columbia and the Territories experience economic growth above the national average (Figure 6.1). Ontario's economic growth slips below the national average in this scenario. It is interesting to note that the higher oil and gas industry growth in Saskatchewan, Newfoundland and Labrador and Nova Scotia means the relative contribution of these economies to overall Canadian GDP increases, but it is not strong enough to offset the loss of manufacturing growth, and as a result, these areas experience slower economic growth than in the other scenarios.

TABLE 6.1

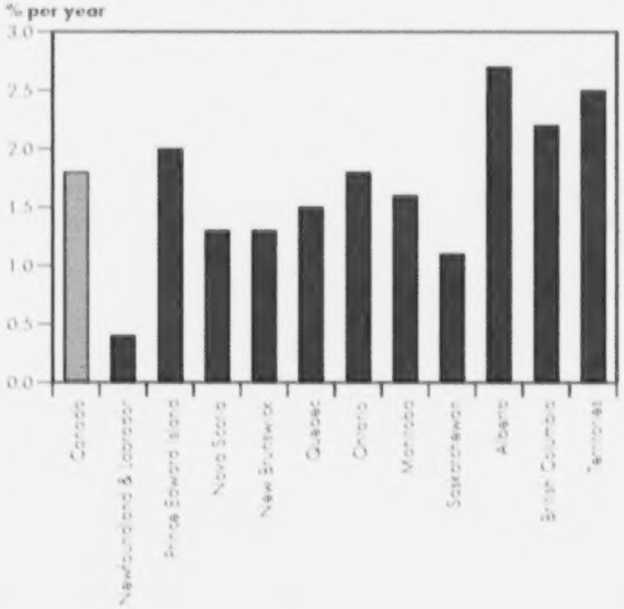
Key Macroeconomic Variables – Fortified Islands, 2004-2030

	1990-2004	2004-2030
Population	1.0	0.7
Labour force	1.3	0.6
Productivity	1.4	1.2
Gross domestic product	2.8	1.8
Goods	2.5	1.7
Service	3.0	1.9
Real disposable income	3.6	3.9
Exchange rate (average cents US/Cdn dollar)	74	103
Inflation rate (average %)	2.3	1.8

(Annual Average Growth Rate (% per year) unless otherwise specified)

FIGURE 6.1

Real GDP Growth Rates – Fortified Islands 2004-2030



Energy Prices

Crude Oil Prices

Significant uncertainty in the global oil and gas industries leads to high and volatile crude oil prices[72]. The Fortified Islands Scenario reflects restricted access to global oil supplies due to high security concerns and unacceptably high risks in making major international investments. Countries place more emphasis on developing domestic energy sources, including unconventional sources, and seek additional supply from regional trading partners.

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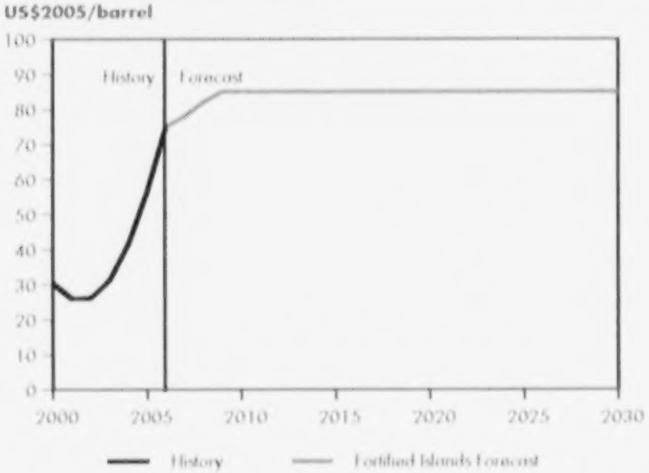
[72] The tools employed by the NEB for energy demand and supply modeling are based on annual historic data and forecasts annual series. In these types of models, the day-to-day volatility of oil and gas price markets can be masked. However, the NEB has taken a number of steps to ensure price volatility is considered within our analysis. Past decisions that consumers have made in the face of price volatility are captured in the estimated historic relationships and forecasted into the future. In addition, the NEB has modeled price variation within each of the scenarios and across scenarios. For example, within the Fortified Islands Scenario, oil prices increase from US$75 to US$85/barrel and gas prices range from US$7.50 to US$12/MMBtu. Across scenarios, oil prices range from US$35 to US$85/barrel and gas prices range from US$5.50 to US$12/MMBtu. The price trajectories that are modeled are consistent with market pressures inherent in each scenario, such as the availability of supply and the level of demand.

FIGURE 6.2

West Texas Intermediate Crude Oil Price at Cushing, Oklahoma – Fortified Islands



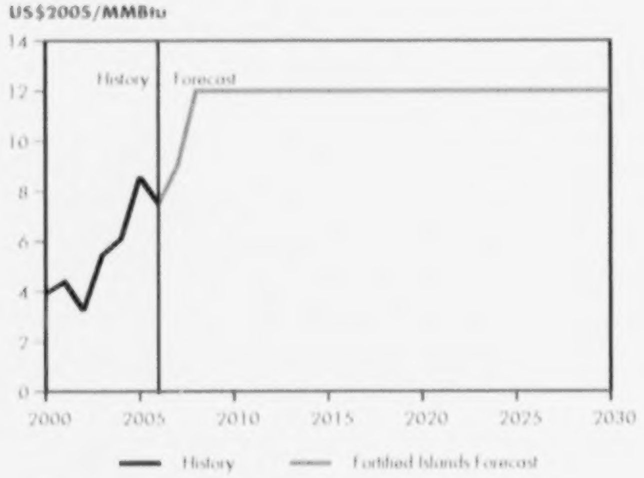
Crude oil prices in Fortified Islands increase to US$85/barrel rather than decline as in the other scenarios (Figure 6.2). They reach near record levels by 2010 and remain at this high level until the end of the period.

Natural Gas Prices

North American natural gas prices are assumed to generally track oil prices as they have historically. Security concerns and lack of international investment in the Fortified Islands Scenario severely limit liquified natural gas (LNG) imports and put increased emphasis on higher-cost domestic gas supplies. Under these conditions, the Henry Hub natural gas price is US$11.40/GJ (US$12.00/MMBtu) (Figure 6.3). This represents a continuation of the typical price relationship with natural gas at 85 percent of the crude oil price.

FIGURE 6.3

Natural Gas Price at Henry Hub, Louisiana – Fortified Islands



Electricity Prices

In Fortified Islands, pressure on electricity prices increases as oil and natural gas prices escalate from the levels of the early 2000s (to $85 oil, $12 gas) putting upward pressure on the costs for fossil-fired generation. To some extent, price pressure is mitigated by declining demand for new power generation and the security of heritage hydro assets, but the overall trend is upward[73].

Coal Prices

Coal prices rise significantly from recent levels reflecting the sustained higher oil and gas prices in Fortified Islands ($85 oil and $12 gas), as well as the higher costs of exploiting new coal resources. Coal has a clear price advantage relative to its competitors in this scenario.

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[73] Regional electricity prices are provided in Appendix 5.

Energy Demand

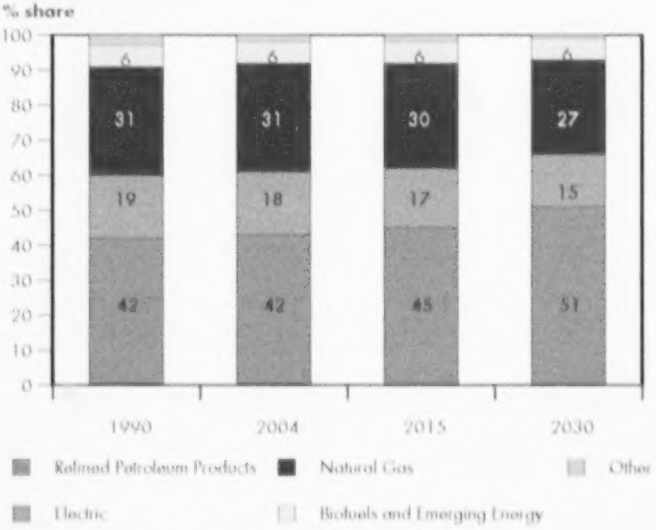
Total Secondary Energy Demand Trends

Canadian total secondary energy demand in the Fortified Islands Scenario grows at a rate of 0.7 percent over the 2004 to 2030 period, significantly lower than the historical rate of 1.8 percent. The sectoral shares of demand do not change drastically over the forecast period. Oil and gas industries show strong growth, but total industrial sector energy demand growth is mitigated by the slowdown in non-energy industries as a result of higher energy prices and slower export demand for manufactured goods.

Demand sector shares and growth rates vary significantly by province. The three largest energy consumers are Alberta, Ontario and Quebec. In 2030, Alberta accounts for 35 percent of total secondary energy demand in Canada, Ontario accounts for 27 percent and Quebec 16 percent. Provincial population, personal disposable income and economic activity assumptions all affect provincial energy demand. Alberta and the northern territories show total secondary energy demand growth rates higher than the Canadian average. While most of the national economy suffers from high energy prices, an all-out expansion of western oil and gas plays drives economies of resource-rich provinces.

FIGURE 6.4

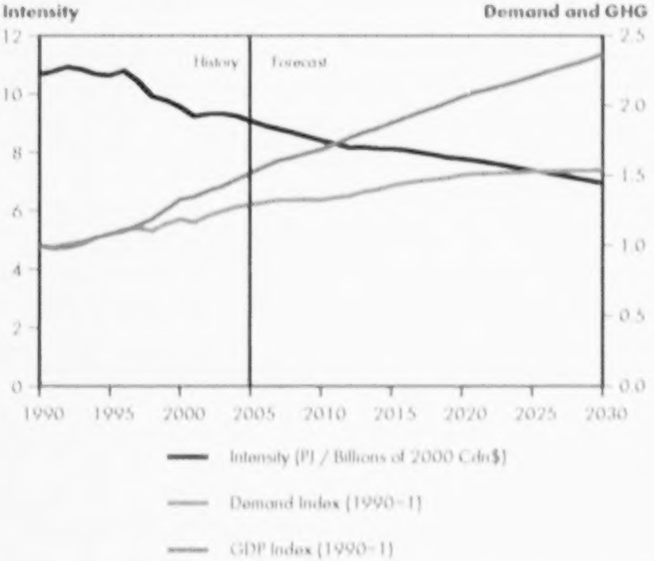
Canadian Total Secondary Energy Demand by Fuel – Fortified Islands



('Other' includes coal, coke, coke oven gas, and steam)

FIGURE 6.5

Canadian Total Secondary Energy Demand Intensity – Fortified Islands



Overall Canadian demand intensity declines at 1.1 percent per year in the Fortified Islands, close to the historical rate of 1.0 percent from 1990 to 2004 (Figure 6.5). Higher energy prices induce a large uptake in energy efficiency measures, in particular, the low-cost measures that make the most of existing equipment and each unit of energy.

FIGURE 6.6

Canadian Residential Secondary Energy Demand by Fuel – Fortified Islands

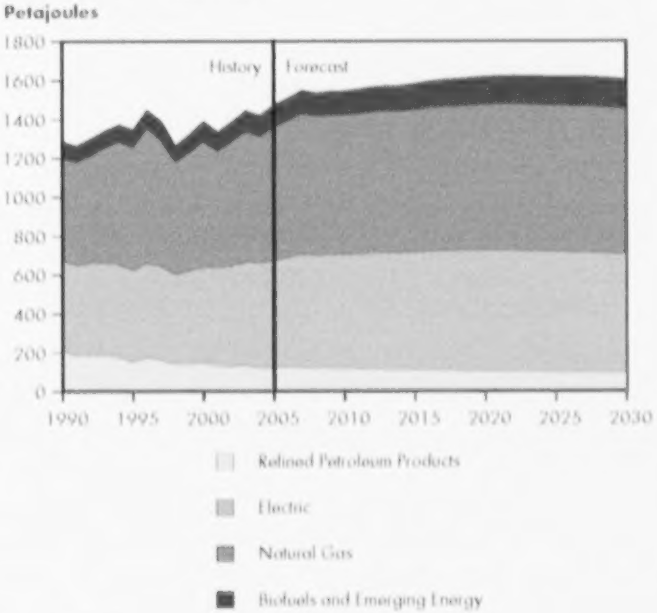
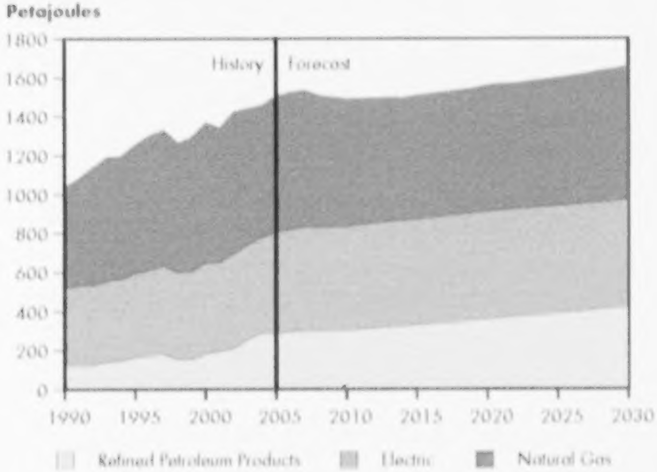


FIGURE 6.7

Canadian Commercial Secondary Energy Demand by Fuel – Fortified Islands



Residential Secondary Energy Demand

Canadian residential secondary energy demand grows at a rate of 0.5 percent over the 2004 to 2030 period (Figure 6.6). This is due to energy prices, economic constraints and efficiency improvements. Efficiency measures include low-cost retrofits such as compact fluorescent light bulbs (CFLs) and draft-proofing homes. There is some fuel-switching from oil, corresponding to an increase in biomass (wood) fuel. Fuel shares by province vary significantly.

Commercial Secondary Energy Demand

Canadian commercial secondary energy demand grows at a rate of 0.5 percent per year over the 2004 to 2030 period, a significant decrease from the historical growth rate (Figure 6.7). Many low-cost efficiency upgrades (i.e., the use of blinds in commercial windows) are implemented; however, the Fortified Islands Scenario lacks the long-term financial and social will-power needed for investment in state-of-the-art building technology. The demand shares by fuel for Canada from 2004 to 2030 indicate some fuel-switching in the commercial sector from natural gas to oil. Fuel shares by province follow the same overall levels as the residential sector, with more oil use and almost zero alternative or emerging energy use.

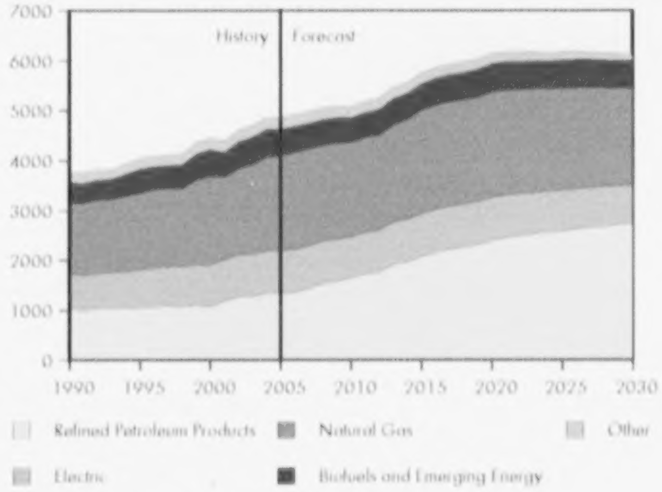
Industrial Secondary Energy Demand

Canadian industrial secondary energy demand grows at 0.9 percent per year over the 2004 to 2030 period, half the historical rate (Figure 6.8). Almost all industries demonstrate a slowdown in output and a corresponding decrease in energy demand. The exception is seen in the oil and gas industries, which expand as fast as possible to reap the benefits of high energy prices. The demand shares by fuel for Canada from 2004 to 2030 indicate fuel-switching into oil from all other fuels, including a share decrease in renewables as a result of slower pulp and paper industry economic growth.

In 2030, the largest provincial energy consumers are Alberta, accounting for 50 percent of industrial energy demand in Canada, Ontario with 20 percent and Quebec following at 13 percent.

FIGURE 6.8

Canadian Industrial Secondary Energy Demand by Fuel – Fortified Islands

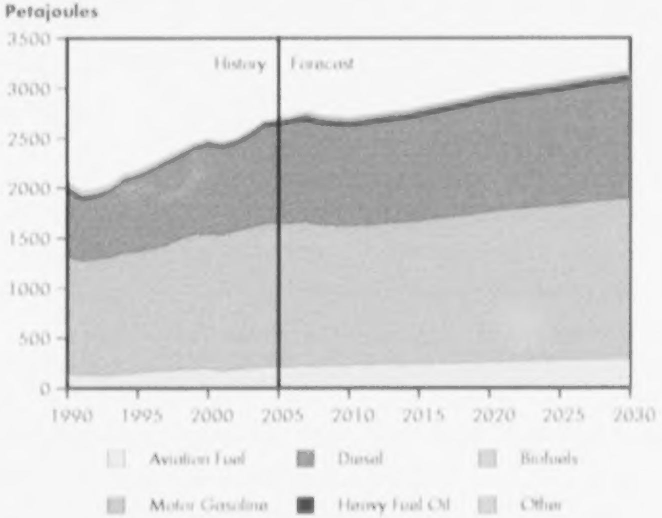


('Other' fuel includes coal, coke, coke oven gas, steam, naphtha)

Transportation Energy Demand

FIGURE 6.9

Canadian Transportation Energy Demand by Fuel – Fortified Islands



Canadian transportation energy demand grows at 0.7 percent over the 2004 to 2030 period (Figure 6.9). Costs are sufficiently high to induce a price response, particularly in passenger transportation where options such as mass transit and trading to a smaller, fuel-efficient vehicle becomes widespread. The demand shares by fuel for Canada over the forecast illustrate a drop in gasoline demand shares as price response and efficiency measures take place. The renewables share rises from zero to one percent by 2030, due to the assumed ethanol policies in Ontario and Saskatchewan[74], while the off-road share remains strong over the forecast given strong growth in the oil sands industry (Figure 6.10).

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[74] The Ontario assumption is 5 percent ethanol volume (3.4 percent energy) of total gasoline use in the province by 2007. The Saskatchewan assumption is 7.5 percent ethanol volume (5.1 percent energy) of total gasoline use in the province by 2007.

FIGURE 6.10

Canadian Transportation Energy Demand by Mode – Fortified Islands

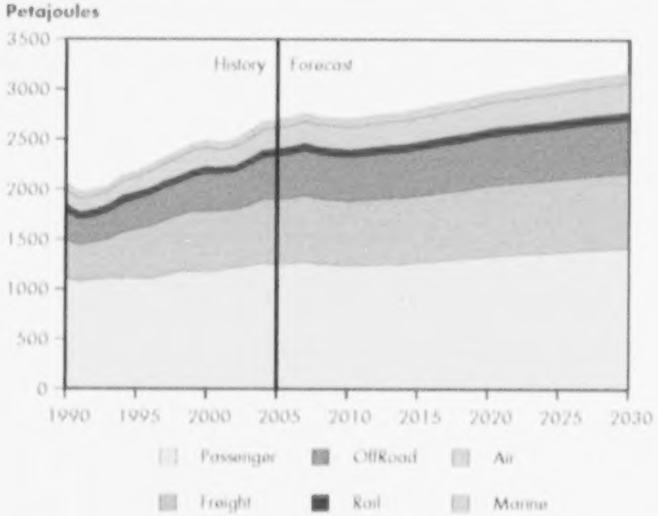
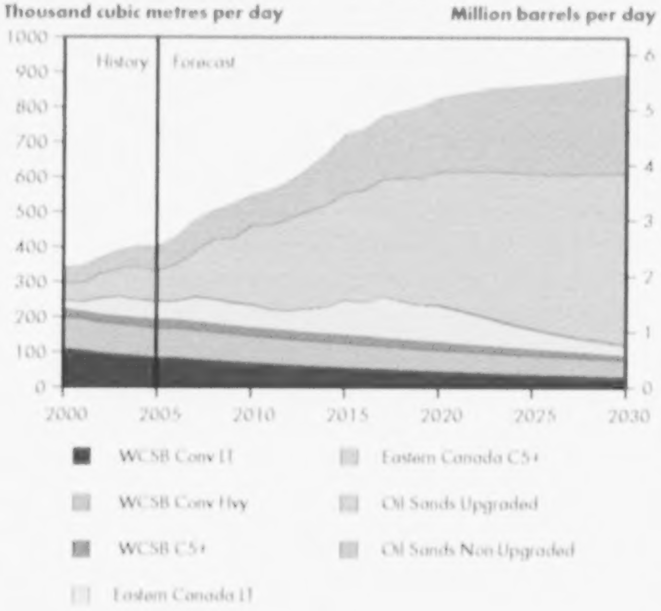


FIGURE 6.11

Total Canada Oil Production – Fortified Islands



Oil Supply

Crude Oil and Equivalent

The Fortified Islands Scenario, with its focus on higher oil prices and support for domestic energy supply, is the most conducive to expanding oil supply. Compared to the other scenarios, decline trends in conventional supply in the Western Canada Sedimentary Basin (WCSB) are moderated from historical levels, while declines in eastern Canadian production levels are softened as well. The higher oil prices of the Fortified Islands Scenario are also the most supportive of oil sands expansion.

Crude Oil and Bitumen Resources

Canadian crude oil and bitumen resources are the same in the Reference Case and all three scenarios[75].

Total Canada Oil Production

The Fortified Islands Scenario features the most aggressive production track, with an average increment of 27 000m^3/d (170 thousand b/d) of capacity per year between 2010 and 2020, supported by rapid growth in oil sands production and new discoveries on the east coast offshore (Figure 6.11). Growth slows after 2020, under the effect of declining production in the east coast offshore and in the WCSB, with production reaching 879 000 m^3/d (5.54 million b/d) by 2030.

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[75] Canadian crude oil and bitumen resources are set out in Chapter 3, and in further detail in Appendix 3.

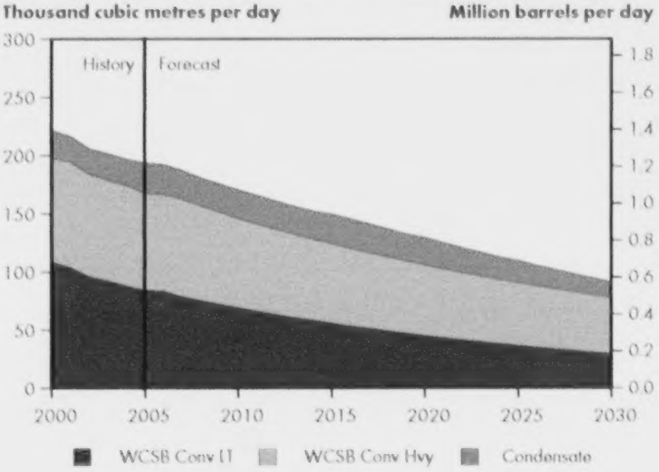
Oil sands production plays an increasingly important role, accounting for 88 percent of total Canadian oil production by 2030.

Conventional Crude Oil – WCSB

This scenario is the most favourable for an expansion in oil supply, with aggressive exploration drilling, more infill drilling and greater emphasis on improved recovery methods.

FIGURE 6.12

WCSB Conventional Oil Production – Fortified Islands



For conventional light crude oil, the long-term declining trend of five percent is reduced to 4.2 percent, with an additional 35 million cubic metres of production added above levels assumed for the Continuing Trends Scenario.

Alberta and Saskatchewan are the primary sources of conventional heavy crude oil, with British Columbia contributing minor amounts. Similar to light oil, the long-term declining trend of three percent is softened to 2.1 percent, with 51 million cubic metres of production added above levels described in the Continuing Trends Scenario (Figure 6.12).

Conventional light oil production declines to 29 500 m³/d (186 thousand b/d) and conventional heavy oil production declines to 48 100 m³/d (303 thousand b/d), by 2030. Condensate production levels decline to 14 000 m³/d (88 thousand b/d) in Fortified Islands.

Eastern Canada Light Crude Production

Projections for eastern Canada oil production are dominated by the east coast offshore, with only minor amounts of production expected from Ontario.

Higher prices in the Fortified Islands Scenario allow for a more aggressive expansion of east coast production, compared with the other scenarios. Similar to the Continuing Trends Scenario, Fortified Islands includes Hebron production commencing in 2013 along with contributions from smaller satellite pools in the Jeanne d'Arc Basin. It is assumed that a new 80 million m³ (500 million b) field is found in the relatively unexplored regions of the East Coast, potentially in the Flemish Pass region or in the Deepwater Scotian Shelf. The pool comes on-stream in 2015, bumping production levels to 75 000 m³/d (473 thousand b/d). In the Fortified Islands Scenario, a second similar sized pool comes on production in 2018 and allows for peak production of 118 000 m³/d (743 thousand b/d) in 2018, after which a relatively rapid decline begins. By 2030, production has declined to 26 700 m³/d (168 thousand b/d) (Figure 6.13).

Oil Sands Supply

In the Fortified Islands Scenario, aggressive expansion is driven by high oil prices and supported by a lower cost of environmental compliance compared with the other scenarios. While cost pressures are assumed to moderate over time, the higher activity levels in this scenario will maintain these cost pressures at somewhat higher levels, relative to the other scenarios.

Fortified Islands also features rapid increases in production from thermal projects, primarily steam assisted gravity drainage (SAGD) and cyclic steam stimulation (CSS), with greater application of vapourized extraction (VAPEX) and toe-to-heel air injection (THAI™) than in the other scenarios.

Production reaches 774 000 m^3/d (4.74 million b/d) in Fortified Islands. Upgraded bitumen volumes total 489 000 m^3/d (3.08 million b/d) while non-upgraded volumes total 285 000 m^3/d (1.80 million b/d) (Figure 6.14).

The Fortified Islands Scenario also includes 18 000 m^3/d (113 thousand b/d) of oil sands production from Saskatchewan by 2030.

FIGURE 6.13

Eastern Canada Light Crude Production – Fortified Islands

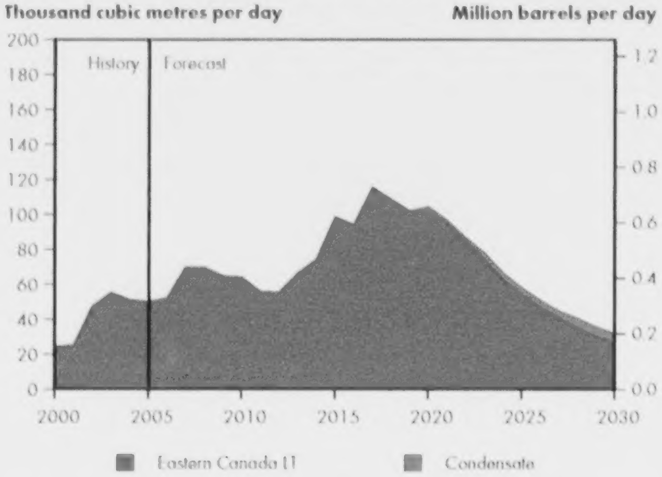
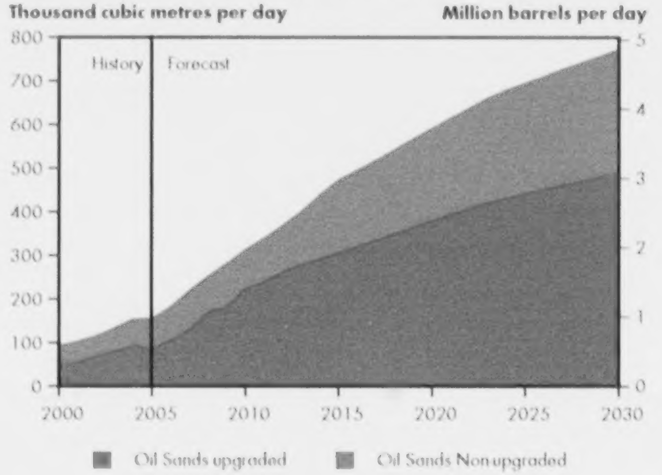


FIGURE 6.14

Canadian Oil Sands Production – Fortified Islands



High natural gas prices in this scenario provide a significant economic incentive for oil sands operators to reduce their dependence on natural gas. An ongoing improvement in energy efficiency of one percent per year is assumed, while the pace of fuel-switching to alternative fuels is accelerated with respect to the other scenarios. In general, there is earlier and more prolific application of bitumen gasification, as well as increased application of multiphase superfine atomized residue (MSAR), THAI™, and VAPEX technologies, with potential for projects using geothermal energy as well.

In this scenario, the purchased natural gas intensity is reduced from 0.67 Mcf/b in 2005 to 0.49 Mcf/b in 2030, with total purchased natural gas requirements, excluding on-site electricity requirements, increasing from 18.4 million m^3/d (0.65 Bcf/d) in 2005 to 62.3 million m^3/d (2.2 Bcf/d) by 2030, in line with substantial oil sands production growth.

Supply and Demand Balances

This scenario is characterized by increasing supply and decreasing domestic demand. Although a new refinery added in the Atlantic region is also incorporated in Fortified Islands, there is little net effect on the supply and demand balance as the refined product produced at this refinery would be targeted to export markets such as the U.S. Northeast. The option of returning Enbridge Line 9 to eastbound service enabling Quebec refineries to obtain access to western Canadian crude oil is explored in this scenario[76]. The domestic demand for petroleum products in 2005 is 290 000 m^3/d (1.8 million b/d) and increases to 352 000 m^3/d (2.22 million b/d) in 2015. By 2030, demand is 415 000 m^3/d (2.62 million b/d).

FIGURE 6.15

Supply and Demand Balance, Light Crude Oil – Fortified Islands

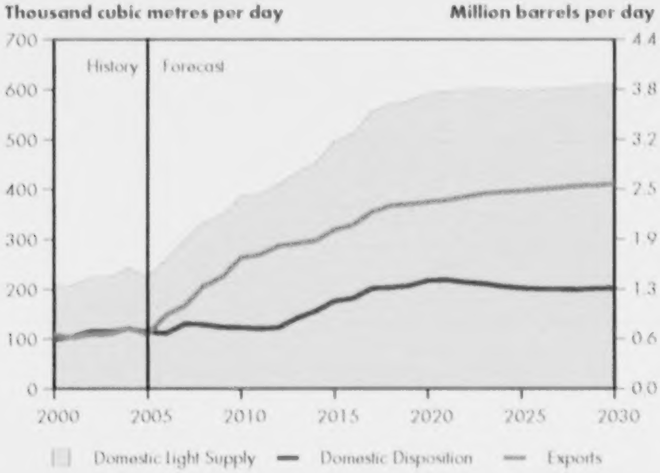
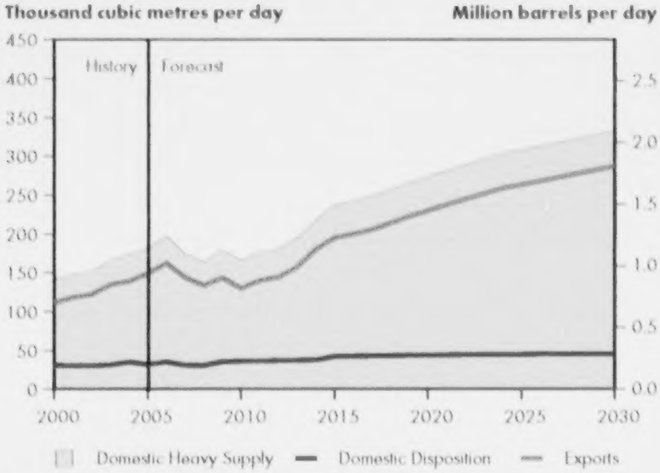


FIGURE 6.16

Supply and Demand Balance, Heavy Crude Oil – Fortified Islands



Light Crude Oil – Supply and Demand Balance

Exports of light crude oil increase sharply from 110 200 m^3/d (694 thousand b/d) in 2005 to 319 700 m^3/d (2.01 million b/d) in 2015 (Figure 6.15). This trend continues to 2030 with exports reaching 411 300 m^3/d (2.59 million b/d).

Heavy Crude Oil – Supply and Demand Balance

Exports of heavy crude oil increase from 149 200 m^3/d (940 thousand b/d) in 2005 to 195 000 m^3/d (1.23 million b/d) in 2015. By 2030, exports increase to 287 500 m^3/d (1.81 million b/d) (Figure 6.16).

Natural Gas Supply

Canadian Natural Gas Resource Base

The higher prices of the Fortified Islands Scenario allow previously uneconomic volumes of unconventional

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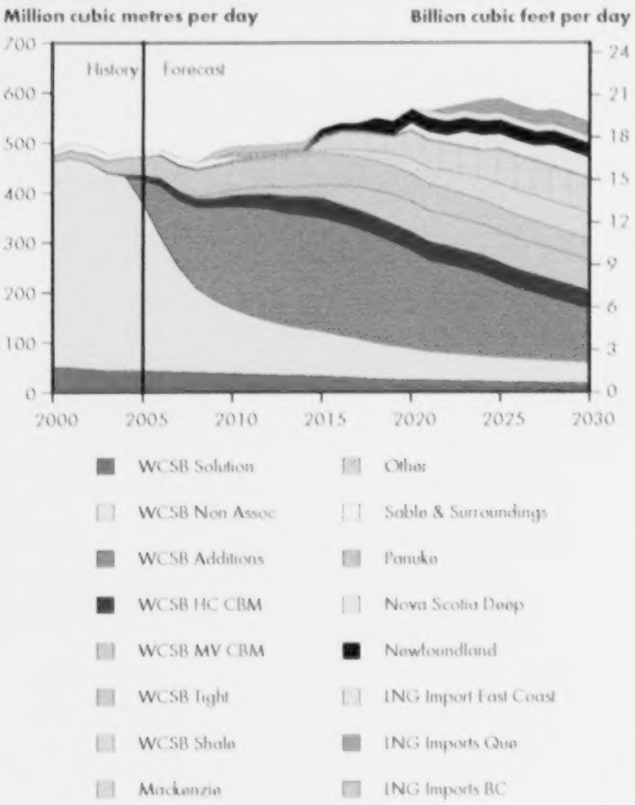
[76] Line 9 is a section on the Enbridge pipeline system that extends from Sarnia, Ontario to Montreal, Quebec. Originally, the crude oil flowed in the pipeline in a west-to-east direction. In 1999, the pipeline was reversed and began operations in an east-to-west direction, which enabled imports to reach the refining centres in Ontario.

FIGURE 6.17

Natural Gas Production Outlook – Fortified Islands



resources to be included in the recoverable category. Western Canadian coalbed methane (CBM) remaining resources increase to 1 416 billion m^3 (50 Tcf)[77]. Similarly, remaining tight gas and shale gas resources are raised to 737 and 365 billion m^3 (26 and 12.9 Tcf), respectively. These increases reflect the estimated economic viability of additional unconventional deposits in settings with lower permeability and at greater depths. To access these additional resources, the higher gas price in Fortified Islands could accommodate the increased cost of wells with longer horizontal legs and more extensive hydraulic fracture stimulation.

As with the Triple E Scenario, the estimate of the remaining conventional resource base is unchanged. The estimate of the remaining conventional resource base is defined by the minimum reservoir size for each play type that is considered technically feasible for the industry to develop. Within the price range considered, the minimum reservoir sizes adopted in the resource estimate for the Reference Case and Continuing Trends Scenario are also applicable to the Triple E and Fortified Islands Scenarios. However, the higher price environment in the Fortified Islands is better able to accommodate higher annual levels of gas drilling and the corresponding escalation of costs.

For similar reasons, the remaining resource base for frontier projects is also unchanged for this scenario. The frontier resource estimate from the Reference Case and Continuing Trends Scenario incorporates the NEB's best current estimate of technically recoverable marketable gas and is applicable to the range of prices considered. The high cost and risk to establish basin-opening infrastructure makes it likely that facilities will be sized at a conservative level initially and then gradually expanded as the productivity of the resource is confirmed. Until such confirmation is available through more extensive drilling and some production history, an upward adjustment to the resource base can not be made with any confidence.

Production and LNG Imports

In this scenario, LNG supply to North America is dramatically curtailed and natural gas markets are reliant on continental supplies. Liquefied natural gas imports might be curtailed by a shortage of new liquefaction facilities due to an unstable foreign investment climate, or by extreme LNG demand growth outside North America, or some combination of the two. Except for a brief period from 2009 to 2014 when LNG imports into Canada average 14 million m^3/d (0.5 Bcf/d), LNG serves markets with little to no indigenous natural gas supply including Japan, Korea, India and western and southern Europe, instead of North America. Liquefied natural gas has no influence on North American natural gas prices, which are able to move upward and support the costs of high drilling activity, major frontier projects and higher-cost conventional and unconventional gas developments in Western Canada.

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[77] As indicated in Appendix 4.

Natural gas drilling in Western Canada is projected to gradually increase after 2007 to average roughly 24 000 wells per year. This level of activity could be in the range of about 1 075 drilling rigs operating at an average annual utilization of 55 percent[78].

At this high rate of drilling, Western Canada natural gas production could be maintained at between 467 and 484 million m^3/d (16.5 and 17.1 Bcf/d) from 2011 to 2020, as shown in Figure 6.17. After 2020, conventional gas production begins to decline gradually as drilling fails to keep up with ongoing reductions in new well productivity.

The increase in the unconventional gas resource base and higher activity allows unconventional gas production to rise steadily, outpacing conventional gas output by 2028. Coalbed methane production reaches 57 million m^3/d (2.0 Bcf/d) in 2014 and stabilizes at 99 million m^3/d (3.5 Bcf/d) from 2020 to 2030. From 2016 onward, Mannville Formation CBM overtakes output from the Horseshoe Canyon Formation and CBM represents slightly more than half of the unconventional production. Tight gas production peaks in 2015 and then enters a shallow decline, while shale gas production grows steadily to reach almost 54 million m^3/d (1.9 Bcf/d) by the end of the period.

While Western Canada is able to hold production fairly flat to 2020, it is the contribution from frontier projects from 2015 onward that accounts for significant growth in Canadian natural gas production. Subject to regulatory reviews and subsequent commercial decisions, Mackenzie Delta production is assumed to begin in late 2014 and expand to 68 million m^3/d (2.4 Bcf/d) by 2025. Production of the gas associated with oil projects on Newfoundland's Grand Banks is assumed to begin two years earlier in 2015 and subsequently double its scale to 28 million m^3/d (1 Bcf/d). Other conceptual frontier projects could potentially be economically viable sources of supply in Fortified Islands, including development of the 1970s-era gas discovery on Melville Island in the western Arctic, the possibility of a Nova Scotia deepwater discovery and development of discoveries offshore Labrador.

Supply and Demand Balance

Until 2015, Canadian natural gas supply remains relatively flat while gas demand increases moderately. Relative to 2005, this results in a tightening of the differential between Canadian natural gas supply and demand by an average of 20 million m^3/d (0.7 Bcf/d) through 2014, as shown in Figure 6.18. From 2015 onward, strong growth in Canadian gas supply far exceeds demand growth that is being slowed by higher prices. As a result, from 2015 to 2030 the differential widens by an average of 45 million m^3/d (1.6 Bcf/d) above 2005 levels.

In Fortified Islands, Canadian gas demand growth is slowed by higher energy prices and lower economic growth. An exception is seen in increased gas demand for oil sands due to significantly higher oil output. Gas intensity for oil sands is lowest in Fortified Islands, as higher gas prices create a greater incentive to employ alternative technologies. Relative to 2005, overall Canadian natural gas demand rises by roughly 16 percent over the period.

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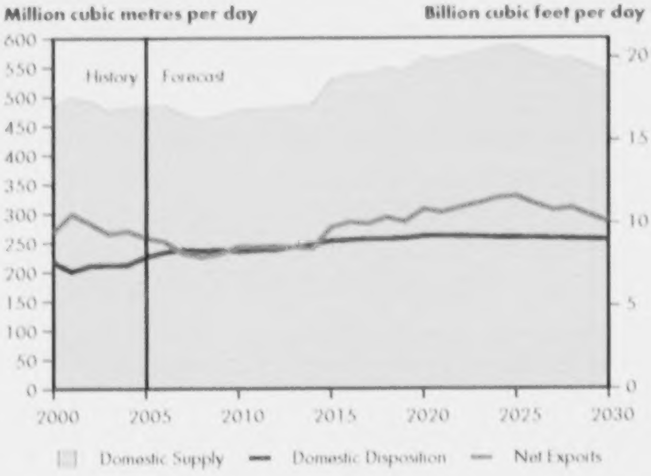
[78] The recent gas drilling peak in 2005 was 18,300 wells from 700 drilling rigs, averaging 59 percent utilization. The size of the 2007 Western Canada rig fleet is roughly 880 rigs (NEB, Canadian Association of Oilwell Drilling Contractors [CAODC]).

With the initial shrinkage in the differential, the net amount of natural gas available for export slips below the 2005 level until 2015. From 2015 onward, the average level of potential annual net exports is 303 million m³/d (10.7 Bcf/d), exceeding the previous peak of 297 million m³/d (10.5 Bcf/d) achieved in 2001.

FIGURE 6.18

Supply and Demand Balance, Natural Gas – Fortified Islands



Natural Gas Liquids

Supply and Disposition

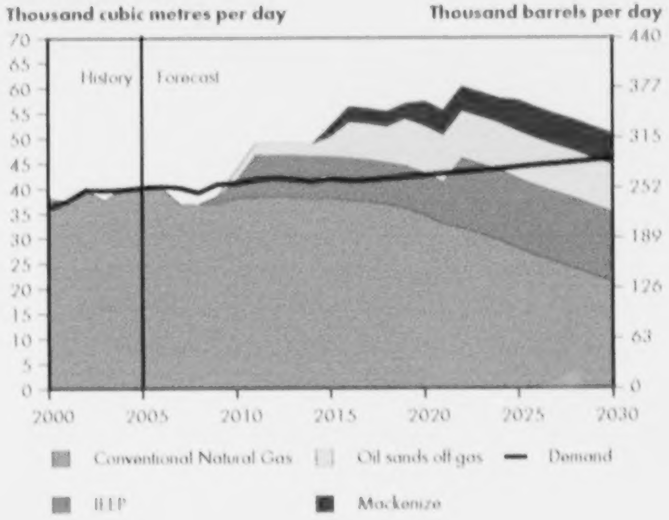
In the Fortified Islands Scenario, large excess volumes of propane and butanes are available for export throughout the projection period, as this scenario has the highest conventional natural gas and oil sands off-gas production[79].

Ethane Supply and Demand Balances

In Fortified Islands, supply exceeds demand through the entire projection period, with excess ethane of about 2 700 m³/d (17 thousand b/d) commencing in 2010, reaching a peak of about 17 000 m³/d (107 thousand b/d) in 2022 (Figure 6.19). The excess supply is caused mainly by higher supply of conventional ethane, as natural gas production is the highest under this scenario due to the rising price environment. In addition, increments of supply from oil sands off-gas, enhanced deep-cut straddle plant expansions and Mackenzie Delta gas are also the highest under this scenario.

FIGURE 6.19

Canadian Ethane Supply and Demand Balance – Fortified Islands



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[79] Further detail on the propane and butane supply and demand balances can be found in Appendix 3.

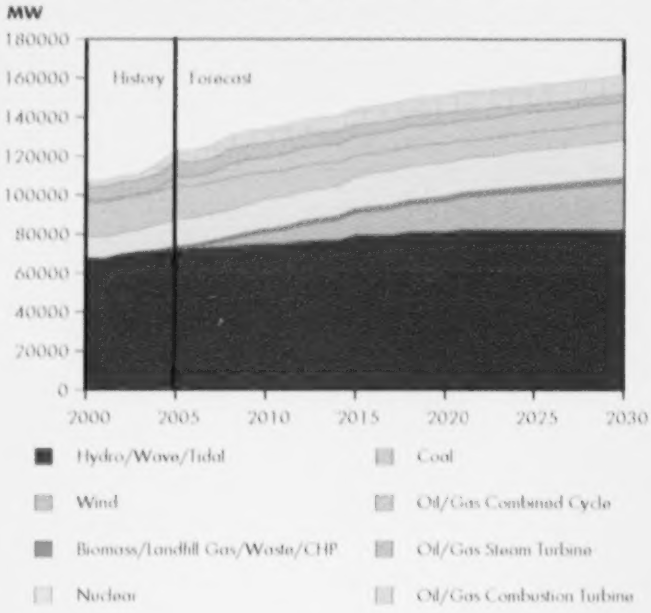
Electricity Supply

Capacity and Generation

In the Fortified Islands Scenario, the combination of higher energy prices and slower income growth causes a decline in demand for electricity after 2020. The impact of high energy prices is especially strong during the early years of the forecast period, when the greatest reduction in the growth of electricity demand occurs. Demand stabilizes once Canadians become accustomed to higher energy prices.

FIGURE 6.20

Canadian Generating Capacity – Fortified Islands



Generation capacity will increase by 32 percent between 2005 and 2030 in Fortified Islands (Figure 6.20). Capacity additions are intended to meet projected load requirements in a reliable, self-sustained manner. Electricity supply will primarily come from traditional generation sources, yet wind and other emerging technologies still experience strong growth.

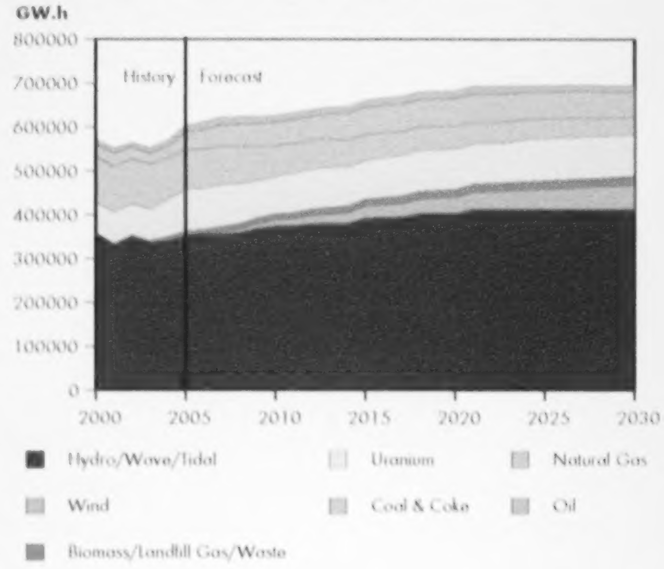
Hydro

In addition to the units listed in the Reference Case, after 2015 the following hydro facilities will be constructed: Peace River Site C (900 MW) in British Columbia and both Conawapa (1 380 MW) and Gull/Keeyask (600 MW) in Manitoba.

Hydroelectric generation will continue to provide about 60 percent of electricity needs throughout the forecast period (Figure 6.21). Hydro-based capacity will expand to 82 200 MW by 2030, an increase of 10 450 MW from 2006.

FIGURE 6.21

Canadian Generation – Fortified Islands



Nuclear Generation

While nuclear power has never lost favour in parts of Europe, in the last few years volatile fossil fuel prices, energy security concerns and increased focus on emissions have increased interest in nuclear power in North America. The last Canadian Deuterium (CANDU) reactor built in Canada was commissioned in 1993, but international sales have led to continual improvement in construction techniques and encouraged Atomic Energy Canada Limited to proceed with the design of the new Advanced CANDU Reactor (ACR). This design promises increased safety, quicker construction time and lower costs.

There are several applications for site licenses for new CANDU reactors before the Canadian Nuclear Safety Commission, which if approved, could lead to construction of new nuclear power plants inside a decade. All three scenarios include new nuclear facilities in Ontario and New Brunswick – provinces, which, like Quebec, have existing nuclear power plants.

While they have not been included in the scenarios of this study, there have also been proposals to use nuclear power instead of natural gas in the Alberta oil sands. Nuclear reactors are well suited to the 24/7 operation of oil sands facilities, promise independence from the price of natural gas and can be used to produce hydrogen for use in the upgrading of bitumen. Potential obstacles to the use of nuclear energy include the large size of a typical nuclear generator compared with a typical oil sands plant, the oil sands producers' lack of experience with the technology, and public concerns about safety and the disposal of nuclear waste.

While use of nuclear energy in the oil sands poses certain challenges (as discussed in *Alternative Fuels for Oil Sands* text box earlier in this report), certain conditions may make this option less of a challenge. As ACR or other reactor technology matures, and if oil sands producers see a long-term, upward trend in natural gas prices, nuclear energy could look increasingly attractive. Concerns about minimizing greenhouse gas (GHG) emissions would also favour the use of nuclear energy. If an entity with nuclear experience were willing to build and operate such a plant, selling steam to oil sands producers and electricity to the Alberta market, nuclear energy could prove to be a viable option.

For further information on the use of nuclear energy in the oil sands, please refer to the Board's Energy Market Assessments: *Canada's Oil Sands: Opportunities and Challenges to 2015 - May 2004* and *Canada's Oil Sands - Opportunities and Challenges to 2015: An Update - June 2006*, found on the Board's website at www.neb-one.gc.ca.

Nuclear

Total nuclear capacity increases 42 percent between 2005 and 2030, an increase of 5 500 MW from 2005. Assumptions regarding nuclear capacity are the same as in the Continuing Trends and Triple E Scenarios.

Natural gas-fired

The volume of gas-fired generation is similar to that of the Continuing Trends Scenario, with slightly less combined-cycle technology employed, but more combustion turbine/cogeneration units are constructed. As a result of higher gas prices and lower electricity demand, natural gas-fired generation is not called upon as often. Though natural gas-fired generation output accounted for 12 percent of 2030 electricity generation in the Continuing Trends Scenario, it accounts for eight percent in Fortified Islands.

Coal-fired

An assured supply of fuel and lower fuel cost provides the impetus for the construction of new coal-fired generation facilities in the Fortified Islands Scenario, but there is serious competition from oil sands associated cogeneration. Also, lower demand leads to a decline in installed capacity compared to the Continuing Trends Scenario, as not all existing coal-fired generation is replaced when it reaches the end of its operational life.

Oil-fired

Despite lower electricity demand and reduced generation from conventional oil-fired generation, in 2030 oil generation is about

15 percent higher in the Fortified Islands Scenario compared to Continuing Trends. This is due to bitumen-fuelled cogeneration associated with oil sands electricity and heat requirements. In 2020, retiring oil-fired generation in Newfoundland is replaced with a 180 MW natural gas-fired combined-cycle generation.

Emerging Technologies

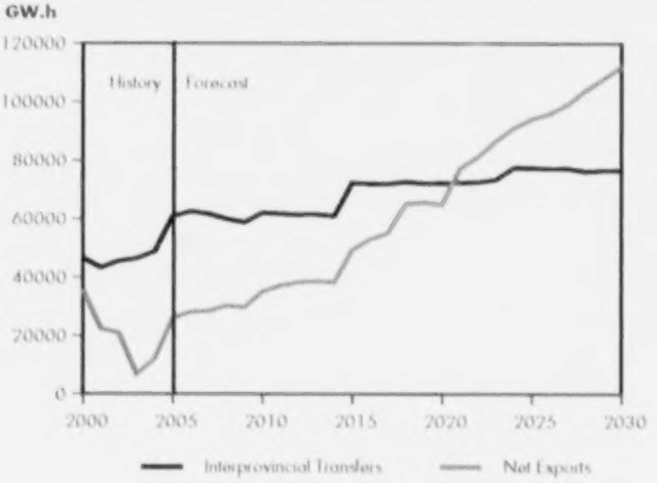
High energy prices drive an increase in installed wind generation comparable to the Continuing Trends Scenario, despite lower demand for electricity. Wind power capacity is projected to reach 23 900 MW by 2030, representing 15 percent of total Canadian generation. Other alternative generation sources grow by 1 500 MW, or 89 percent. This illustrates that even in Fortified Islands, emerging technologies have a presence.

Exports, Imports and Interprovincial Transfers

Canadian net exports increase by 300 percent from 2006 to 112 100 GW.h in 2030 (Figure 6.22). This dramatic increase is due in large part to high electricity prices curtailing demand, combined with availability of hydro and other alternative sources of generation that are not subject to the higher price of fossil fuels in Fortified Islands. The increase in interprovincial electricity transfers (by 26 percent to 76 600 GW.h in 2030) is much less marked, but still substantial.

FIGURE 6.22

Interprovincial Transfers and Net Exports – Fortified Islands



Coal

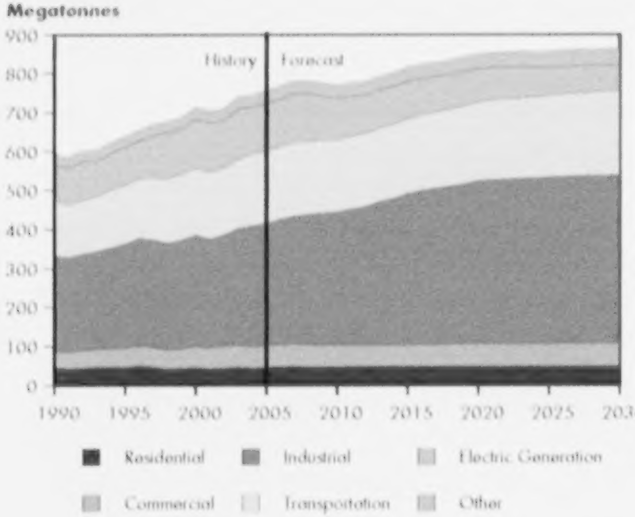
Supply and Demand

In Fortified Islands, isolationist policies slow economic growth and moderate demand for coal. As a result, production is lower than in Continuing Trends, but more than in Triple E. Energy security concerns encourage new coal-fired generation, most likely to be sited in Western Canada and the Maritimes. Demand for metallurgical coal decreases significantly in the Fortified Islands Scenario. Canadian coal production decreases to 47 Mt in 2030 from 55 Mt in 2015 because of the decrease in domestic demand of both thermal and metallurgical coal. Canada continues to be a net exporter in Fortified Islands. Canada's coal demand between 2015 and 2030 is estimated to decrease from 34 Mt to 22 Mt. Electricity generation will consume about 27 Mt in 2015, decreasing to 18 Mt by 2030. Canada's iron, steel and cement industries decrease by about 3 Mt of coal over this period with a substantial metallurgical coal decrease from 4 Mt to about 1 Mt. This could also result in a decrease in exports out of the iron, steel and cement manufacturing hubs in Ontario under Fortified Islands.

Exports of thermal coal remain low in Fortified Islands. Net exports remain consistent, at the same level as Triple E and Continuing Trends. Both thermal and metallurgical coal exports grow moderately by six percent between 2015 and 2030, due to slow economic growth in the U.S. and

FIGURE 6.23

Canadian Total GHG Emissions by Sector – Fortified Islands



the lack of international cooperation. Between 2015 and 2030, there is a moderate increase of about four percent in thermal imports due to the addition of coal-fired units in the Maritimes, with metallurgical imports down roughly 78 percent due largely to the lack of competitiveness of the Canadian iron and steel industry.

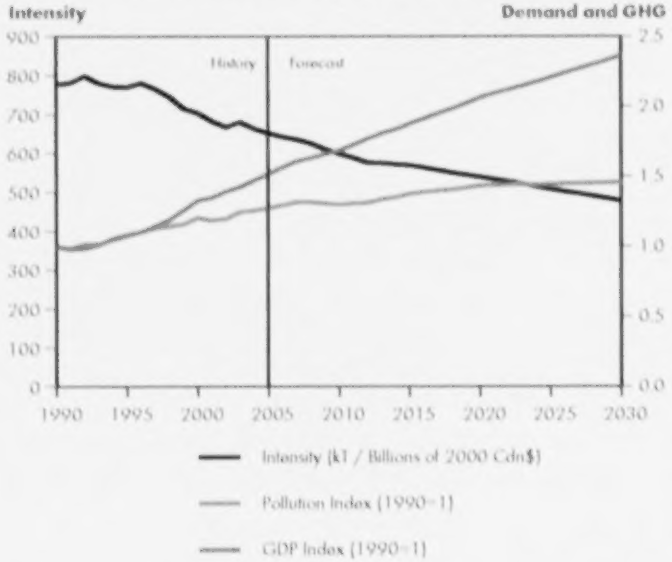
Greenhouse Gas Emissions

Canadian total GHG emissions in Fortified Islands grow at a rate of 0.6 percent per year over the 2004 to 2030 period (Figure 6.23). This is lower than the historical growth rate of 1.7 percent from 1990 to 2004, largely due to the lower GDP growth rates and higher commodity prices leading to lower energy demand. The sectoral shares of GHG change over the forecast. The industrial sector share increases from 41 percent to 50 percent due to oil and gas growth assumptions in this scenario.

Greenhouse gas shares and growth rates vary by province. The three largest GHG emitters in 2030 are Alberta, Ontario and Quebec. Alberta accounted for 31 percent of total Canadian GHG emissions in 2004, and for 39 percent in 2030. Ontario's share drops from 27 to 22 percent over the outlook period, while Quebec's share hovers around 13 percent over the forecast.

FIGURE 6.24

Canadian Total GHG Intensity – Fortified Islands



Greenhouse gas levels do increase in Canada, but the GHG emissions intensity in Canada declines over the forecast. In Fortified Islands, the GHG emissions intensity declines at 1.3 percent per year, slightly faster than the historical rate of 1.1 percent per year as energy efficiency improvements take place and the share of alternative and emerging fuels increase (Figure 6.24).

Fortified Islands Issues and Implications

- Overall, total Canadian economic growth is the lowest in this scenario and regional economic differences deepen. Stronger economic activity occurs in energy producing regions, whereas there is a slowdown in manufacturing regions.
- Energy demand in this scenario is dually impacted by higher energy prices and low income and economic growth. As a result, energy demand over the outlook period slows considerably from historic levels.
- Energy supply is exceptionally price dependent. This scenario represents a maximum plausible energy supply outlook for Canadian oil and gas.
- Fortified Islands features rapid expansion of oil sands development. It is assumed that oil sands operators will continue to make efficiency gains and employ alternative energy sources and recovery methods, with gasification of bitumen and petroleum coke playing a dominant role. As the scenario with the greatest available supply, exports of both light and heavy crude oil increase the most in this case.
- It is particularly interesting to note that maintaining current natural gas production levels requires very high prices. In this scenario, these high prices allow for Canada to continue to be a net exporter of natural gas, whereas in the other scenarios considered, Canada becomes a net importer of natural gas before the end of the outlook period. This is a result of the high prices bringing on additional supplies, such as mega-projects in remote locations in the north and off the East Coast. In addition, natural gas prices curb domestic natural gas demand growth.
- Finally, the slowdown in the energy demand growth rate translates into slowing GHG emissions growth rates compared to historic trends.
- The results are based on certain scenario assumptions. If these inputs do not materialize, then it puts at risk the outcomes described here. Specifically:
  - For this scenario to occur, global relationships need to be under ongoing stress. Access to oil and gas supplies are constrained keeping energy prices high. These prices govern economic conditions as well as energy demand and supply trends.
  - As well, to allow these types of energy supply expansions to take place technological advancements must occur; sufficient inputs into the production processes, such as labour, must be in place; and, infrastructure must be developed.

CHAPTER SEVEN

CONCLUSIONS: KEY IMPLICATIONS FOR THE CANADIAN ENERGY SYSTEM

Canada's Energy Future highlights challenges and opportunities facing the energy sector and individual Canadians, both today and in the future. The cross-country consultations and subsequent analysis strongly suggests that although energy supplies are adequate and energy markets are currently functioning well, a return to sustained low commodity price levels is not foreseeable. Despite this, Canadians are adjusting to this new energy price paradigm. Canadians continue to witness a changing supply mix as conventional resources mature and new technologies emerge, although fossil fuels will continue to dominate the energy system for the next few decades. The last several years have shown Canadians to be especially interested in the impact of greenhouse gas (GHG) emissions. New policies and programs designed to reduce GHG emissions are in their infancy, and although public concern is high, measurable impact of such initiatives is difficult to predict. Each of these aforementioned issues will impact evolving Canadian energy policy, as governments work to balance market considerations with the ability to be flexible and responsive to the Canadian energy environment.

Following is a summary of these issues, highlighted under five key themes.

1. Energy Markets and Resources

Canadian energy markets are expected to function well with energy prices acting to ensure there is sufficient energy supply to meet energy demand. The analysis in *Canada's Energy Future* presents a broad range of energy prices resulting from variant demand and supply outcomes. The price of oil and natural gas are determined by continental and global markets. Electricity price is shaped by regional demand and supply and government policies, but are also influenced by inter-provincial and international trade.

Long-term historical prices in North America of approximately $20/barrel for crude oil and US$1.90 to $2.85/GJ (US$2 to $3/MMBtu) for natural gas have been eclipsed in recent years, and there is little expectation of returning to these lower price levels for any sustained period to 2030. Higher oil and gas prices have also resulted in higher coal and electricity prices, to the extent these fuels are used in power generation. In all three scenarios, energy prices remain at higher levels than those experienced in the last decades. In the Triple E Scenario, the existence of a carbon dioxide (CO_2) price results in dual pricing: first, at the wellhead level (commodity price), determined by the global/continental demand and supply forces; and second, at the end-use level (delivered price), established by a combination of the CO_2 price and the wellhead price. Overall, it appears that North American and global economies are adjusting to higher prices.

Availability of energy resources in the future is not expected to be an issue. As an element of efficient energy markets, energy prices will provide appropriate market signals for the development of adequate energy resources. The type and mix of energy resources will be determined by the level of energy prices. Overall, Canadian energy supply and the fuel mix is price-sensitive, creating a broad range of outcomes in response to alternative price trajectories modeled in the three scenarios.

2. Energy Supply, Demand and Exports

Fossil fuel energy continues to be the dominant source of supply, although non-conventional and non-fossil fuel supplies begin to play a larger role. Conventional resources that have been the backbone of energy supply throughout the twentieth century are growing increasingly mature, requiring ever greater physical and financial inputs to produce diminishing increments of supply. Future opportunities for significant incremental supply growth are likely to originate from unconventional energy sources such as oil sands, coalbed methane (CBM), oil and gas shales, improved recovery techniques, off-gases from bitumen upgraders, and coal gasification. This is the case in all three scenarios, with the most notable effect on the oil sector, where oil sands contribute in excess of 80 percent to Canadian oil supply.

While some unconventional resources such as oil sands are well established and have a large in-place resource, others such as gas shales are at early stages of experimentation and assessment and may require significant increments in production and involve long lead times and high upfront capital expenditures to make them commercially viable. In addition, alternative and emerging energy sources such as wind generation are increasingly becoming important as technological advancements make them more economic. This is an area of growing importance and continued fuel diversity is expected to be part of the energy balance in Canada. All scenarios depict a fuel mix that is mostly conventional at the base, but varies in terms of additions from emerging and alternative technologies and fuels.

While energy supply is quite price-responsive, energy demand is not. The pattern of energy consumption is largely predetermined by the make-up of the existing stock of energy-using devices such as buildings, appliances, cars, industrial motors and others. Since this stock has long life, the possibilities for demand reductions are limited. Also as long as energy expenditures continue to be a minor proportion of operating budgets, demand reductions in response to higher price will be small.

Despite the inflexibility of established energy consumption patterns, there are some indications that price may be a potentially bigger factor in future scenarios than the historical data and current analysis would suggest. Historical trends and modeling results indicate the influence of personal income (spending power) overrides energy price changes. However, recent qualitative evidence suggests Canadians are responding to increased energy costs by adjusting lifestyles and spending habits. Due to a lack of sufficient quantitative data, this may not be fully reflected in the results of the current analysis. Thus the sustained high energy prices as observed in the Fortified Islands Scenario or the consumer response to dedicated government programs in Triple E could see some further downward pressure on demand.

Total Canadian net energy exports are expected to increase in the future. However, the growth varies by commodity and scenario. While the oil and electricity exports are higher than the historical levels in all scenarios, the net natural gas exports see growth only in Fortified Islands. Growing oil exports are the result of production increases from oil sands and frontier oil off the East Coast. Frontier gas is also a contributing factor in the growth of natural gas exports. Electricity exports increase due to a combination of demand and supply factors.

Expansion of export markets will be directed by market forces and could take the form of growth in existing export markets, displacement of competing volumes from existing export markets, and/or accessing new offshore markets. Each of these has important implications for supporting infrastructure. Ongoing development of oil supply will require significant additions of export pipeline capacity and expansion of export markets to absorb the throughput. Similarly, there will be a need for additional transmission capacity to materialize growing exports of electricity. Depending on the scenario, there may be costs associated with underutilized natural gas infrastructure and new infrastructure to accommodate liquified natural gas (LNG) imports.

3. Energy Interactions with the Economy and Environment

The state of the economy continues to be an important driver for the energy system, and alternative macroeconomic projections in the three scenarios lead to different energy outcomes, especially in energy demand. Macroeconomic growth in all scenarios is lower than observed in recent history. The common constraint to economic growth is the decelerating population growth, with serious implications for labour force and availability of adequate labour and skill sets to meet the growing demand across all economic sectors. Labour shortages are currently having a dramatic impact on energy sector developments and the situation may worsen in some scenarios.

Labour productivity improvements are assumed in most scenarios to compensate for lower growth in labour force. Alternatively, stabilization in population growth could be assumed with higher immigration levels. Regardless, this is an important area for consideration by decision makers if continued robust growth in the economy is desired.

Canadians are concerned about climate change. Numerous policies and programs are being developed at the federal and provincial levels to reduce GHG emissions. It is challenging to predict the response to these policies and programs, as uncertainty exists over how consumers and technology will react. It is possible that without the implementation of these more stringent policy changes and a further shift in Canadians' behaviours, GHG emissions would increase, as is demonstrated by the Reference Case and Continuing Trends Scenario.

Reducing Canadian GHG emissions will require utilization of all the strategies at our disposal. These options, as explored in Triple E, include the adoption of progressive energy efficiency polices and a market mechanism for the inclusion of emissions from fossil fuel use in consumers decision-making process. Greenhouse gas emission reduction targets announced in recent policies will require strategies beyond those presently considered in the Triple E Scenario.

4. Building Blocks for Canada's Energy Future

Technology can offer solutions to many challenges in the energy system. While technology makes incremental inroads into Canada's energy future, the direction, pace and extent of these changes vary across scenarios. The technology push in Fortified Islands is most evident on the supply side. The drive to expand the boundaries of conventional resource supply as quickly as possible supports very specific high-tech industries, whereas demand technology retreats into more basic, conservation-type measures such as vehicle fuel economy and light bulbs. In Triple E, technology is inextricably tied to efficiency improvements. This scenario suggests fundamental technology goals of the future are not linked to any singular, breakthrough 'clean' technology; rather the holistic evaluation of the energy supply chain from bottom to top. Analysis of energy production, conversion and utilization reveals a wealth of optimization opportunities. These near-term efficiency opportunities provide the platform for advancing long-term, clean energy solutions.

An examination of the current state of technology in Canada confirms that change happens slowly. Promising end-states, such as the 'hydrogen economy' imply a multitude of progressive, integrated steps that affect almost every aspect of energy production and use. Seizing technology opportunities requires a combination of market mechanisms and incentives. It also requires consistent, reliable signals from policy-makers that will direct much-needed, long-term, strategic investments from the private sector.

A 'smart' energy policy is essential to the continued development of the energy sector. Canadian energy policy went through extensive reforms in the last two decades and is currently driven by a market-oriented system. According to the International Energy Agency (IEA), "competition in the Canadian energy markets is well advanced benefiting the consumers of Canadian oil, gas and electricity in Canada, the U.S. and outside North America"[80]. Earlier sections of *Canada's Energy Future* reflect the significant contribution made by the energy sector to the Canadian economy and support IEA views.

Energy development in Canada is reaching new heights. With its enormous reserves of oil sands, Canada is being touted as an energy 'superpower'. Meanwhile, Canada is at an important juncture, where sustained development of the energy sector may conflict with other objectives gaining importance in the minds of Canadians. ***'Smart' policy is required to help optimize multiple objectives of economic growth, environmental sustainability and development of the energy sector***. Flexible policy frameworks that extend beyond provincial borders will need to be constructed to consider wide regional differences with respect to energy and emissions, evolving energy supply systems and a changing global environment. In recent years, there have been calls for development of an integrated energy, environment and economic vision[81]. These frameworks will need to include the entire energy chain, all jurisdictions and the various layers of governments to maximize effectiveness.

These observations are driven by stakeholder input received during the consultation process and subsequent analysis for *Canada's Energy Future*. In undertaking the analysis for *Canada's Energy Future*, it was challenging to stipulate potential policies in areas where none existed, or where intent has been expressed, but programs are yet to be articulated. Clearly expressed policies and programs are a critical element of establishing plausible future energy paths and providing more definite analysis.

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[80] International Energy Agency (IEA). *Energy Policies of IEA Countries: Canada, 2004 Review*.

[81] The Conference Board of Canada. *Canada's Energy Future: An Integrated Path*, May 2007.

Major investments are needed in the next decade to develop new sources of energy and meet the growth in energy demand as well as replace the ageing infrastructure. Many of these are already described with the Reference Case, although there are uncertainties surrounding the timing of larger projects, such as the Mackenzie gas pipeline and specific oil sands proposals.

Common themes in infrastructure development include the competition for skills and rising costs. While some of these issues might be regarded as bottlenecks that can be dealt with by phasing developments and aggressively addressing skills shortages through training, the matter of obtaining approvals for large new pipeline and electric transmission projects and production infrastructure from oil refineries to power plants remains a key source of uncertainty. New approaches are required to resolve differences between developers and local opposition in order to improve the predictability of project completion. In some cases, this may include improving clarity in the regulatory and public engagement processes, while in other cases it may require more use of 'single window' approaches when several jurisdictions are involved.

Over the longer term, 2015 to 2030, the infrastructure requirements and issues are more influenced by circumstances of the scenario, including implications arising from continued diversity of fuel mix. Continuing Trends would tend to have the broadest increases in production and transmission requirements, given that this scenario has the highest level of domestic demand. Project developers and consumers would need to deal with and accommodate the above risks associated with project completion. Triple E would suggest different and possibly higher risks associated with project completion, as this outcome relies on the success of new technologies that may or may not materialize. Additionally, if consumption efficiencies are not realized or demand management measures are not successful in the low-price environment, planned infrastructure may not be adequate and possibilities of diverting export resources to domestic use will need to be explored. Developments in Fortified Islands would face challenges of high and volatile energy prices, putting at risk the completion of high-cost conventional projects that are more prevalent in this scenario, along with those projects requiring technological advancements.

As the requirement to renew and expand our energy infrastructure increases to meet the growing and diverse needs for energy, greater public engagement and acceptance for these initiatives are important. Economic and environmental sustainability are high level precepts that could underestimate individual concerns. As the 'footprint' of energy extraction, production, and distribution grows, projects face increasing public inquiry. New and emerging technologies, for all their promise, are equally as susceptible. Whether it is CBM gas wells, LNG terminals, or wind farms, future energy developments face an increasingly organized, informed, and committed public. An increased awareness of the major societal benefits and costs to all energy development, will be needed. A balance will need to be established between public acceptance and the need for timely decision making with all stakeholders working towards this objective.

Public buy-in is also required in altering consumer behaviour to achieve the energy and environment objectives. Recent evidence suggests the public is more willing to 'walk the talk'[82].

High-quality data forms a solid foundation for supply and demand analysis, such as the analysis for Canada's Energy Future. Canada is currently a world leader in the quantity and quality of energy data collected. The breadth and depth of data published by statistical agencies across the country is impressive, and has allowed for the development of advanced analytical tools.

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[82] 61 percent of respondents in Ontario and Alberta are "very concerned" about climate change and 42 percent are willing to pay more to do something about it. Ipsos Reid survey for Direct Energy. May 2007.

As energy issues become increasingly complex, requiring timely decision- making, there emerges a need for enhancements and improvements to existing statistical databases. Statistics need to be responsive and relevant to emerging energy issues[83]. Ongoing collaboration is needed to address gaps, timeliness, and identify future priorities. One such successful initiative is the effort to standardize the reserve definition and its application at the global level[84].

Together with data, good information and analyses is also important in fostering good decision making on the part of all stakeholders.

5. Canada's Energy Future

The analysis suggests significant change in several elements of the energy system. Energy prices have moved to a higher platform, and are expected to remain at those levels in the foreseeable future. There is a growing focus on environment issues, notably on greenhouse gas and other emissions. At a global level, energy security and the ability to meet growing energy demand are becoming key. There is a fast approaching need to renew and expand the energy supply infrastructure. Technological breakthroughs in the way we consume and produce energy, and growth in technology development which is unprecedented in scale and speed of deployment may be required.

A long-term energy vision and strategy for Canada is needed to balance multiple objectives. This plan must be well integrated at the regional level, consider environmental issues and economic growth, and be developed with input from Canadians. Only then will we be able to overcome the challenges ahead and take advantage of the opportunities available.

The NEB plans to contribute to this debate by continuing to pursue our vision of being an active, effective and knowledgeable partner engaging Canadians in the discussion of Canada's energy future.

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[83] Additionally, data and definitions need to be consistent between the various collecting and communicating agencies at both the federal and provincial levels.

[84] There has always been some inconsistency on a global basis with respect to oil and gas reserves, in both the actual definitions and the application of the definitions to oil and gas accumulations. In order to resolve some of these inconsistencies and challenges, there have been several international efforts to standardize the reserves definitions and applications of reserves.

GLOSSARY

The definition of terms in this glossary refers to their use in the context of the report on Canada's Energy Future.

Accelerated Capital Cost Allowance	A federal government allowance which provides an accelerated rate of write-off for certain capital expenditures on equipment designed to produce energy in a more efficient way, or from alternative renewable sources.
Alternative or Emerging Technologies	New and emerging environmentally-friendly technologies used as an alternative to existing resource-intensive methods to produce energy. Alternative technologies make limited use of resources, and include fuel cells and clean coal technologies, for example.
Anthracite coal	A hard coal with the highest rank, which has the highest carbon count, and can have significant ash content. Anthracitic coals burn with little flame and smoke and produces a high amount of heat.
Average Annual Growth Rate (AAGR)	For purposes of *Canada's Energy Future*, the growth rate refers to the growth rate from 2004 to 2030, with 2004 the base year, for scenarios. For the Reference Case, the growth rate refers to 2004 to 2015, with 2004 the base year.
Barrel	One barrel is approximately equal to 0.159 cubic metres or 158.99 litres or approximately 35 imperial gallons.
Biodiesel	A diesel fuel substitute produced from vegetable oils and animal fats.
Biofuel	See biomass.
Biomass	Organic material, such as wood, crop waste, municipal solid waste, hog fuel and pulping liquor, processed for energy production.
Bitumen or crude bitumen	A highly viscous mixture, mainly hydrocarbons heavier than pentanes. In its natural state, it is not usually recoverable at a commercial rate through a well because it is too thick to flow.
Bituminous coal	A relatively hard form of coal, with a higher rank which burns readily with a smoky flame.
Capacity (Electricity)	The maximum amount of power that a device can generate, use or transfer, usually expressed in megawatts.

Carbon capture and storage (CCS)	A process of capturing and storing carbon dioxide (CO_2), such that it is not released into the atmosphere, hence reducing greenhouse gas (GHG) emissions. Carbon dioxide is compressed into a transportable form, moved by pipeline or tanker, and stored in some medium, such as geological formations.
Cellulosic ethanol	Also known as cellanol, cellulosic ethanol is produced from lignocellulose, and composed of cellulose, hemicellulose and lignin. It is found in a variety of biomass sources.
Clean coal technologies	Clean coal technologies refer to methods in which emissions resulting from coal-fired generation may be reduced. Development of clean coal technologies is currently focused on reducing emissions of carbon dioxide (CO_2). Clean coal technologies may generally be characterized as improved efficiency in combustion, stack gas cleanup and capture and sequestration of CO_2.
CO_2 flooding	CO_2 flooding is a process of improved oil recovery, wherein carbon dioxide (CO_2), in a liquid form, is deposited into oil-bearing formations in an effort to increase the amount of oil that can be extracted.
Coalbed methane (CBM)	A form of natural gas extracted from coalbeds. Coalbed methane (CBM) is distinct from typical sandstone or other conventional gas reservoir, as the methane is stored within the coal by a process called adsorption.
Cogeneration	A generating facility that produces electricity and another form of useful thermal energy, such as heat or steam as a by-product of generation.
Combined-cycle generation	The production of electricity using combustion turbine and steam turbine generation units simultaneously.
Condensate	A mixture comprised mainly of pentanes and heavier hydrocarbons recovered as a liquid from field separators, scrubbers or other gathering facilities or at the inlet of a natural gas processing plant before the gas is processed.
Conservation	For purposes of *Canada's Energy Future*, conservation refers to minimizing energy use.
Conventional crude oil	Crude oil, which at a particular point in time, can be technically and economically produced through a well using normal production practices and without altering the natural viscous state of the oil.
Conventional natural gas	Conventional natural gas is gas contained in higher porosity geological formations that is produced by expansion of the gas molecules into the well bore.
Crude Oil	A mixture, consisting mainly of pentanes and heavier hydrocarbons that exists in the liquid phase in reservoirs and remains liquid at atmospheric pressure and temperature. Crude oil may contain small amounts of sulphur and other non-hydrocarbons, but does not include liquids obtained from the processing of natural gas.

Cyclic steam stimulation (CSS)	A repeatable, thermal in-situ recovery technique involving steam injection followed by oil production from wells injected with steam. Steam injection increases oil mobility and allows heated bitumen to flow into a well.
Demand-side management (DSM)	Actions undertaken by a utility that result in a change and/or sustained reduction in demand for electricity. This can eliminate or delay new capital investment for production or supply infrastructure and improve overall system efficiency.
Diluent	Any lighter hydrocarbon, usually pentanes plus, added to heavy crude oil or bitumen in order to facilitate its transport in crude oil pipelines.
Edmonton Par (price)	The price of Edmonton Par, a light crude oil, which serves as the benchmark for crude oil produced in the region.
End-use demand	Energy used by consumers in the residential, commercial, industrial and transportation sectors.
Energy efficiency	Technologies and measures that reduce the amount of energy and/or fuel required for the same work.
Energy intensity	The amount of energy used per unit of real GDP.
Improved oil recovery (IOR)	The extraction of additional crude oil from reservoirs through a production process other than natural depletion. Includes both secondary and tertiary recovery processes such as pressure maintenance, cycling, waterflooding, thermal methods, chemical flooding, and the use of miscible and immiscible displacement fluids. (Also referred to as enhanced oil recovery [EOR]).
Ethane	The simplest straight-chain hydrocarbon structure with two carbon atoms.
Ethylene	A chemical building block made up of two carbon atoms and four hydrogen atoms used to manufacture plastics, solvents, pharmaceuticals, detergents and additives.
Extraction	A process unique to the oil sands industry, in which bitumen is separated from the oil sands.
Feedstock	Natural gas or other hydrocarbons used as an essential component of a process for the production of a product.
Fossil fuel	Hydrocarbon-based fuel sources such as coal, natural gas, natural gas liquids and crude oil.
Frontier areas	Generally, the northern and offshore areas of Canada.
Fuel cell	Batteries which convert fuel directly into electricity. Most fuel cells take in hydrogen and oxygen, and produce electricity, heat and water.
Fuel economy	The average amount of fuel consumed by a vehicle to travel a certain distance, measured in litres per 100 kilometres.
Fuel-switching	The ability to substitute one fuel for another, generally based on price and availability.
Generation (electricity)	The process of producing electric energy by transforming other forms of energy. Also, the amount of energy produced.

Geothermal energy	The use of geothermal heat to generate electricity. Also used within energy demand to describe ground-source heating and cooling (also known as geoexchange or ground-source heat pump).
Greenhouse effect	An atmospheric phenomenon through which incoming solar short-wave radiation passes through the atmosphere relatively unimpeded, but long-wave radiation emitted from the warm surface of earth is partially absorbed, adding net energy to the lower atmosphere and underlying surface, thereby increasing their temperatures.
Greenhouse gases (GHG)	Gases such as carbon dioxide, methane and nitrogen oxide, which actively contribute to the atmospheric greenhouse effect. Greenhouse gases also include gases generated through industrial processes such as hydroflurocarbons, perflurocarbons and sulphur hexafluoride.
Gross domestic product (GDP)	GDP is a measure of economic activity within a country. It is the market value of all goods and services in a year within Canada's borders.
Gross output	The value of net output or gross domestic product plus consumption.
Heating oil	Also known as No. 2 fuel oil. A distillate fuel oil commonly used for household space heating.
Heavy crude oil	Generally, a crude oil that has a density greater than 900 kg/m^3.
Heavy fuel oil	No. 6 fuel oil (residual fuel oil)
Henry Hub (price)	Henry Hub is the pricing point for natural gas futures traded on the New York Mercantile Exchange (NYMEX). The hub is a point on the natural gas pipeline owned by Sabine Pipe Line and located in Louisiana.
Heritage assets	An amount of energy and capacity determined by the existing generation assets that resulted from past decisions under a previous market regime. This energy is generally sold into the marketplace at a price reflecting historical costs.
Hub	A geographic location where large numbers of buyers and sellers trade a commodity and where physical receipts and deliveries occur.
Hydroelectric generation	A form of energy wherein electricity is produced from hydropower.
Hydraulic fracture	A technique in which fluids are injected underground to create or expand existing fractures in the rock, allowing oil or gas to flow out of the formation, or to flow at a faster rate.
Income effect	The change in demand that is related to the change in a consumer's income.
In-situ recovery	The process of recovering crude bitumen from oil sands other than by surface mining.

Integrated Gasification Combined Cycle (IGCC)	Coal (or biomass fuel), water and oxygen, are fed to a gasifier, which produces syngas. This gas is cleaned and is fed to a gas turbine. The hot exhaust of the gas turbine and heat recovered from the gasification process are routed through a heat-recovery generator to produce steam, which drives a steam turbine to produce electricity.
Interchange (interprovincial)	Electricity transfers between provinces.
Kyoto's Clean Development Mechanism	The Kyoto Clean Development Mechanism is a mechanism within the Kyoto Protocol to assist countries in meeting greenhouse gas reduction targets. It enables industrialized countries with emission reduction targets to invest in emission reduction projects in developing countries and earn credits. These credits can be used against domestic emission reduction targets and/or sold. Developing countries gain access to low-emission technologies providing an incentive to participate in the Protocol, by supporting such countries in sustainable development.
Gas well	A well bore with one or more geological horizons capable of producing natural gas.
Large final emitter	Large final emitters refer to heavy industries, including the oil and gas, electricity generation, mining and energy-intensive manufacturing industries, which produce close to half of Canada's GHG emissions.
Light crude oil	Generally, crude oil having a density less than 900 kg/m^3. Also a collective term used to refer to conventional light crude oil, upgraded heavy crude oil and pentanes plus.
Light fuel oil	No. 2 fuel oil (furnace fuel oil).
Lignite	A low rank of soft coal with a high moisture content which burns with a smoky flame. It is used primarily for steam-electric power generation.
Liquefied natural gas (LNG)	Liquefied natural gas is natural gas in its liquid form. Natural gas is liquefied by cooling, and the process reduces the volume of gas by more than 600 times, allowing for efficient transport via LNG tanker.
Marketable natural gas	Natural gas that has been processed to remove impurities and natural gas liquids. It is ready for market use.
Metallurgical coal	Coal used in the steelmaking industry.
Mine mouth	A method of integrated mining and power generation, wherein coal is transported directly out of the ground directly into a power plant
Mixed-use neighbourhood	In reference to 'smart growth', a mixed-use neighbourhood is designed to include various types of buildings including residential, commercial, industrial and other land uses.
Naphtha	A category of liquids from the middle distillate cut of crude oil. It includes end products such as benzene, toluene and xylene.

Natural gas liquids (NGL)	Those hydrocarbon components recovered from natural gas as liquids. These liquids include, but are not limited to, ethane, propane, butanes and pentanes plus.
Net metering	A system wherein electricity consumers may receive credit for a portion of electricity they generate via a renewable energy generator. Excess electricity will result in moving an electricity meter backwards, such that excess energy is banked by the consumer.
New York Mercantile Exchange (NYMEX)	The largest physical commodity futures exchange traded on the New York Mercantil Exchange for delivery of natural gas at the Henry Hub in Louisiana.
Oil sands	Sand and other rock material that contains bitumen. Each particle of oil sand is coated with a layer of water and a thin film of bitumen.
Particulate matter (PM)	Atmospheric particles composed of both natural materials, such as pollen and dust, and manmade pollutants, such as smoke particles and metallic ash. Particulate matter can cause respiratory irritation in significant concentrations.
Peak demand	The maximum load consumed or produced in a stated period of time.
Pentanes Plus	A mixture mainly of pentanes and heavier hydrocarbons obtained from the processing of raw gas, condensate or crude oil.
Personal disposable income	The amount of income available to a household or person after the deduction of federal and provincial income taxes.
Photovoltaic (solar PV)	Solar power employing solar cells or solar photovoltaic arrays to convert sunlight into electricity.
Primary energy demand	The total requirement for all uses of energy, including energy used by the final consumer, intermediate uses of energy in transforming one energy form to another, and energy used by suppliers in providing energy to the market.
Real price	Price levels that are held constant, eliminating the effect of inflation.
Reliability	The degree of performance of any element of an electricity system, which results in electricity being delivered to customers within acceptable standards and in the amount desired. Reliability can be measured by frequency, duration or magnitude of adverse effects on electricity supply.
Reserves – Established	The sum of proven reserves and half probable reserves.
Reserves – Initial established	Established reserves prior to deduction of any production.
Reserves – Proven Reserves	Recoverable under current technology and present and anticipated economic conditions, specifically demonstrated by drilling, testing or production.
Reserves – Remaining	Initial reserves less cumulative production at a given time.
Reserves – Recoverable	That portion of the ultimate resources potential recoverable under expected economic and technical conditions.

Reserve to Production Ratio	Reserve to Production ratio is defined as the remaining reserves at the end of any year divided by the production in that year. The result is the length of time that those remaining reserves would last if production were to continue at that rate.
Residual fuel oil	The remaining refinery product after the removal of more valuable fuels such as gasoline and middle distillates. It is used primarily for power generation and fuel for various industrial processes.
Secondary energy demand	See End-use demand.
Security of supply	The availability of sufficient energy resources at reasonable prices.
Shale gas	A continuous, low-grade accumulation of natural gas contained in rocks such as shales or silty shales.
Solar energy	Includes active and passive solar heat collection systems and photovoltaics.
Steam assisted gravity drainage (SAGD)	Steam Assisted Gravity Drainage is a steam stimulation technique using pairs of horizontal wells in which the bitumen drains, by gravity, into the producing wellbore, after it has been heated by the steam. In contrast to cyclic steam stimulation, steam injection and oil production are continuous and simultaneous.
Straddle plant	A reprocessing plant located on a gas pipeline. It extracts natural gas liquids from previously processed gas before the gas leaves or is consumed within the province.
Sulphur oxides	A natural occurring element found in most crude oils and some natural gas.
Supply cost	Expresses all costs associated with resource exploitation as an average cost per unit of production over the project life. It includes capital costs associated with exploration, development, production, operating costs, taxes, royalties and producer rate of return.
Synthetic crude oil	Synthetic crude oil is a mixture of hydrocarbons generally similar to light sweet crude oil, derived by upgrading crude bitumen or heavy crude oil.
Terrestrial Sequestration	Refers to the removal of CO_2 emissions from the atmosphere or the prevention of CO_2 emissions entering the atmosphere from terrestrial sources. This can include forest and agricultural management practices, such as planting trees, preventing deforestation, or changing agricultural tilling practices
Thermal generation	Energy conversion in which fuel is consumed to generate heat energy which is converted to mechanical energy and then to electricity.
Time-of-use rate	Rates that are based on the time of day when the electricity is actually used. These rates allow consumers to pay less for the electricity used during off-peak or low-demand periods. Electricity used during on-peak hours is more costly.

Toe-to-heel air injection (THAI)	A version of in-situ combustion that uses specifically-placed vertical air injection wells and horizontal producing wells to promote a controllable combustion front in an oil reservoir.
Unconventional crude oil	Crude oil that is not classified as conventional crude oil (e.g., bitumen).
Unconventional natural gas	Natural gas which is not classified as conventional natural gas. It includes coalbed methane, tight gas, shale gas and gas hydrates.
Unconventional resources	Unconventional resources exist in petroleum accumulations that are pervasive throughout a large area and that are not significantly affected by hydrodynamic influences. They may also be associated with abnormal trap types, reservoir quality, chemical and physical form of the hydrocarbon in its native state, extraction methods (mines versus wells), or the amount of processing that must be applied to the raw production to yield a marketable commodity.
Upgraded bitumen	The process of converting bitumen or heavy crude oil into a higher quality crude oil either by the removal of carbon (coking) or the addition of hydrogen (hydroprocessing).
Upstream	Those activities related to the development, production, extraction and recovery of natural gas, natural gas liquids and crude oil.
Vapourized Extraction (VAPEX)	Vapourized Extraction is a process similar to SAGD but uses a vaporized hydrocarbon solvent, rather than steam, to reduce the viscosity of crude oil in the reservoir.
Waterflooding	A recovery method wherein water is injected into a reservoir to displace residual oil to adjacent production wells.
Wave / Tidal power	Also known as tidal energy, tidal or wave power makes use of the rise and fall in sea levels, or tidal flow, to create hydropower.
WCS at Hardisty (price)	Western Canadian Select (WCS) is an oil composed of Canadian heavy conventional and bitumen crude oils, blended with sweet synthetic and condensate diluents. The WCS price at Hardisty represents the price benchmark for Canadian crude oil, along with Edmonton Par.
West Texas Intermediate (WTI)	WTI is a light sweet crude oil, produced in the United States, which is the benchmark grade of crude oil for North American price quotations.

CONVERSION TABLES

Imperial and Metric Conversions

Unit		Equivalent
m	metre	3.28 feet
m^3	cubic metres	6.3 barrels (oil); 35.3 cubic feet (gas)
t	metric tonne	2200 pounds

Energy Content Equivalents

Energy Measure		Energy Content
GJ	gigajoule	0.95 million btu
PJ	petajoule	1 000 000 GJ

Electricity

MW	megawatt	
GW.h	gigawatt hour	3600 GJ
TW.h	terawatt hour	3.6 PJ or 1 000 GW.h

Natural Gas

Mcf	thousand cubic feet	1.05 GJ
Bcf	billion cubic feet	1.05 PJ
Tcf	trillion cubic feet	1.05 EJ

Natural Gas Liquids

m^3	ethane	18.36 GJ
m^3	propane	25.53 GJ
m^3	butane	28.62 GJ

Crude Oil

m^3	Light	38.51 GJ
m^3	Heavy	40.90 GJ
m^3	Pentanes plus	35.17 GJ

Coal

t	Anthracite	27.70 GJ
t	Bituminous	27.6 GJ
t	Subbituminous	18.80 GJ
t	Lignite	14.40 GJ

Petroleum Products

m^3	Aviation Gasoline	33.52 GJ
m^3	Motor Gasoline	34.66 GJ
m^3	Petrochemical Feedstock	35.17 GJ
m^3	Naphtha Specialties	35.17 GJ
m^3	Aviation Turbo Fuel	35.93 GJ
m^3	Kerosene	37.68 GJ
m^3	Diesel	38.68 GJ
m^3	Light Fuel Oil	38.68 GJ
m^3	Lubricants	39.16 GJ
m^3	Heavy Fuel Oil	41.73 GJ
m^3	Still Gas	41.73 GJ
m^3	Asphalt	44.46 GJ
m^3	Petroleum Coke	42.38 GJ
m^3	Petrochemical Feedstock	35.17 GJ
m^3	Other Products	39.82 GJ

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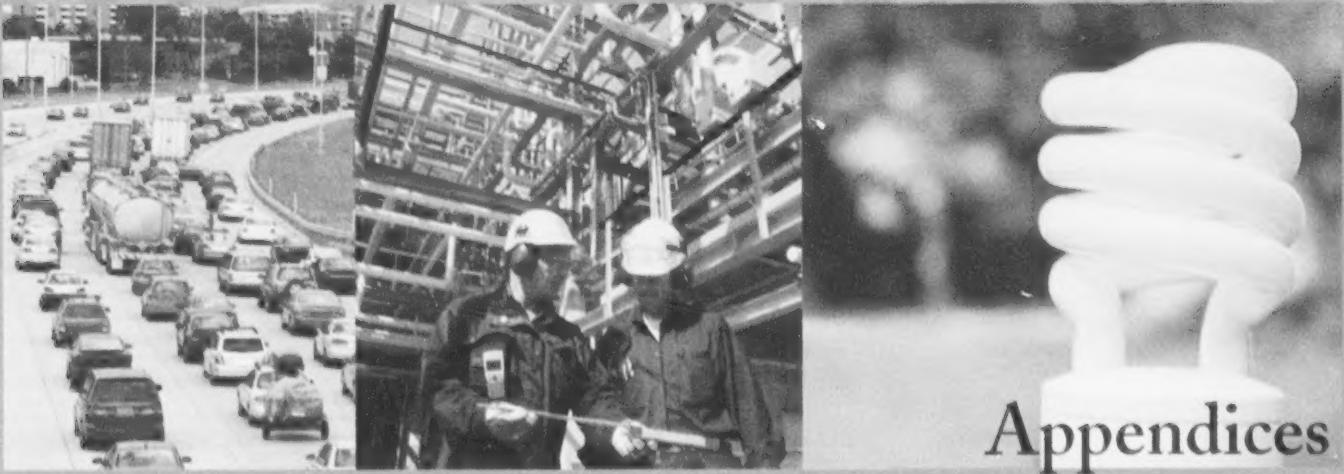
Canada's Energy Future

REFERENCE CASE AND SCENARIOS TO 2030



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Canada's Energy Future

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Appendices

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Appendix 1
Key Drivers

Table A1.1: Economic Indicators, Canada

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Oil Price: WTI @ Cushing, OK (2005US$/barrel)[1]							75.00	67.77	61.24
Gas Price: Henry Hub, LA (2005US$/mmBtu)[2]							7.50	7.97	8.75
Coal Price: Alberta Delivered Price to Utilities (2005C$/GJ)							0.67	0.67	0.67
Coal Price: Saskatchewan Delivered Price to Utilities (2005C$/GJ)							1.73	1.73	1.73
Coal Price: Ontario Delivered Price to Utilities (2005C$/GJ)							2.29	2.29	2.29
Coal Price: Nova Scotia Delivered Price to Utilities (2005C$/GJ)							2.29	2.29	2.29
Consumer Price Index (1992=1.0)	113.50	116.40	119.00	122.30	124.60	127.30	130.40	131.70	134.10
Commercial Paper - 90 day Interest Rate (percent)	5.70	3.90	2.70	2.90	2.30	2.80	4.10	4.20	3.90
Government of Canada Bonds - 10+ years (percent)	5.90	5.80	5.70	5.30	5.10	4.40	4.30	4.30	4.90
Exchange Rate (centsUS/$Can)	67.30	64.60	63.70	71.40	76.80	82.50	89.20	93.00	93.00
Total GDP (million $1997)	946286.00	961951.00	992814.00	1015929.00	1049062.00	1082118.00	1116207.00	1146535.00	1179420.00
Goods GDP	312366.00	306681.00	311058.00	318302.00	331988.00	341711.00	353394.00	362599.00	376412.00
Services GDP	633919.00	655271.00	681755.00	697626.00	717073.00	740406.00	762813.00	783935.00	803007.00
Population (thousand)	30689.00	31021.00	31366.00	31650.00	31953.00	32243.00	32531.00	32815.00	33115.00
Labour Force (thousand)	15847.00	16110.00	16579.00	16959.00	17182.00	17343.00	17617.00	17805.00	18008.00
Employment (thousand)	14764.00	14946.00	15311.00	15672.00	15947.00	16171.00	16485.00	16669.00	16870.00
Unemployment Rate (percent)	6.80	7.20	7.70	7.60	7.20	6.80	6.40	6.40	6.30
Participation Rate (percent)	65.80	65.90	66.90	67.50	67.50	67.20	67.40	67.30	67.20
Households (thousand)	11790.38	12007.98	12140.16	12286.05	12454.45	12727.56	12915.81	13100.57	13290.94
Personal Disposable Income (millions $1997)	608077.00	624878.00	634855.00	648003.00	663961.00	679657.00	706793.00	735562.00	756679.00
Output (GDP) per employee (thousand $1997)	64.10	64.40	64.80	64.80	65.80	66.90	67.70	68.80	69.90

Triple E

		2000	2001	2002	2003	2004	2005	2006	2007	2008
Oil Price: WTI @ Cushing, OK (2005US$/barrel)								75.00	75.00	75.00
Gas Price: Henry Hub, LA (2005US$/mmBtu)								7.50	8.82	10.71
Coal Price: Alberta Delivered Price to Utilities (2005C$/GJ)	(with CO_2 cost)							0.67	0.67	0.67
Coal Price: Saskatchewan Delivered Price to Utilities (2005C$/GJ)	(with CO_2 cost)							1.73	1.73	1.73
Coal Price: Ontario Delivered Price to Utilities (2005C$/GJ)	(with CO_2 cost)							2.29	2.29	2.29
Coal Price: Nova Scotia Delivered Price to Utilities (2005C$/GJ)	(with CO_2 cost)							2.29	2.29	2.29
Consumer Price Index (1992=1.0)		113.50	116.40	119.00	122.30	124.60	127.30	130.40	131.70	136.40
Commercial Paper - 90 day Interest Rate (percent)		5.70	3.90	2.70	2.90	2.30	2.80	4.10	4.20	3.90
Government of Canada Bonds - 10+ years (percent)		5.90	5.80	5.70	5.30	5.10	4.40	4.30	4.30	4.90
Exchange Rate (centsUS/$Can)		67.30	64.60	63.70	71.40	76.80	82.50	89.20	93.00	92.80
Total GDP (million $1997)		946286.00	961951.00	992814.00	1015929.00	1049062.00	1082118.00	1116207.00	1146535.00	1164174.00
Goods GDP		312366.00	306681.00	311058.00	318302.00	331988.00	341711.00	353394.00	362599.00	371811.00
Services GDP		633919.00	655271.00	681755.00	697626.00	717073.00	740406.00	762813.00	783935.00	792362.00

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
55.33	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
7.90	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29
2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29
136.00	137.20	139.60	141.70	144.60	147.50	149.20	150.90	153.00	155.50	158.10	160.90	163.70	166.60
3.60	3.50	3.50	3.50	3.60	3.70	3.70	3.50	3.50	3.50	3.50	3.50	3.50	3.50
5.10	5.20	5.20	5.20	5.20	5.30	5.30	5.20	5.20	5.10	5.10	5.10	5.10	5.10
92.00	93.90	95.10	96.60	98.10	99.50	101.00	102.40	103.70	104.80	105.80	106.50	107.10	107.60
1222665.00	1261019.00	1294692.00	1331846.00	1361683.00	1391256.00	1434186.00	1480414.00	1526809.00	1562242.00	1596138.00	1630591.00	1663215.00	1698564.00
391838.00	405069.00	416673.00	429016.00	439112.00	448390.00	463685.00	480755.00	499362.00	511549.00	522531.00	533775.00	544064.00	555858.00
830826.00	855950.00	878018.00	902829.00	922571.00	942866.00	970500.00	999658.00	1027447.00	1050693.00	1073606.00	1096816.00	1119150.00	1142705.00
33387.00	33659.00	33933.00	34215.00	34496.00	34776.00	35054.00	35330.00	35604.00	35875.00	36144.00	36409.00	36670.00	36926.00
18237.00	18453.00	18646.00	18830.00	19007.00	19165.00	19342.00	19530.00	19715.00	19871.00	20009.00	20157.00	20301.00	20443.00
17125.00	17361.00	17557.00	17758.00	17943.00	18102.00	18289.00	18498.00	18706.00	18870.00	19005.00	19160.00	19310.00	19460.00
6.10	5.90	5.80	5.70	5.60	5.50	5.40	5.30	5.10	5.00	5.00	4.90	4.90	4.80
67.30	67.40	67.40	67.40	67.40	67.40	67.40	67.50	67.60	67.70	67.60	67.60	67.60	67.60
13470.62	13650.47	13828.01	14003.22	14172.82	14343.57	14517.78	14687.93	14852.12	15011.86	15168.39	15322.69	15471.75	15613.11
782696.00	810160.00	831916.00	856161.00	875602.00	894297.00	920257.00	948424.00	974727.00	997331.00	1017621.00	1038316.00	1057815.00	1077546.00
71.40	72.60	73.70	75.00	75.90	76.90	78.40	80.00	81.60	82.80	84.00	85.10	86.10	87.30

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
75.00	75.00	69.50	64.40	59.67	55.29	51.23	47.48	43.99	40.76	37.77	35.00	35.00	35.00
10.71	10.71	9.93	9.20	8.52	7.90	7.32	6.78	6.28	5.82	5.40	5.50	5.50	5.50
0.67	2.12	2.12	2.12	2.12	2.12	3.08	3.08	3.08	3.08	3.08	4.05	4.05	4.05
1.73	3.18	3.18	3.18	3.18	3.18	4.14	4.14	4.14	4.14	4.14	5.11	5.11	5.11
2.29	3.74	3.74	3.74	3.74	3.74	4.70	4.70	4.70	4.70	4.70	5.67	5.67	5.67
2.29	3.74	3.74	3.74	3.74	3.74	4.70	4.70	4.70	4.70	4.70	5.67	5.67	5.67
140.10	143.60	145.30	147.40	149.50	152.20	154.20	155.90	158.30	160.60	163.20	166.10	169.40	172.70
3.60	3.50	3.50	3.50	3.60	3.70	3.70	3.50	3.50	3.50	3.50	3.50	3.50	3.50
5.10	5.20	5.20	5.20	5.20	5.30	5.30	5.20	5.20	5.10	5.10	5.10	5.10	5.10
90.10	90.70	92.40	94.00	95.70	97.10	98.60	100.00	101.20	102.20	102.70	103.00	103.20	103.40
1198582.00	1232283.00	1263058.00	1291309.00	1321710.00	1349929.00	1387974.00	1426232.00	1456000.00	1483365.00	1512675.00	1548945.00	1580149.00	1607982.00
386664.00	399735.00	410400.00	419066.00	429675.00	438997.00	451694.00	464794.00	474062.00	481516.00	490721.00	503751.00	514987.00	523820.00
811917.00	832547.00	852658.00	872243.00	892035.00	910931.00	936279.00	961437.00	981938.00	1001848.00	1021953.00	1045193.00	1065161.00	1084161.00

2023	2024	2025	2026	2027	2028	2029	2030
50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29
2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29
169.40	172.30	175.30	178.20	181.50	185.10	188.50	191.90
3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
5.10	5.10	5.20	5.20	5.20	5.20	5.20	5.20
108.20	108.80	109.30	109.80	110.30	110.80	111.30	111.90
1735337.00	1771138.00	1808358.00	1848994.00	1886332.00	1920004.00	1955755.00	1994184.00
568843.00	581478.00	595313.00	610322.00	623448.00	634416.00	646452.00	660038.00
1166494.00	1189659.00	1213044.00	1238671.00	1262883.00	1285588.00	1309302.00	1334145.00
37177.00	37423.00	37662.00	37894.00	38119.00	38337.00	38547.00	38750.00
20578.00	20698.00	20811.00	20929.00	21046.00	21157.00	21261.00	21370.00
19604.00	19731.00	19851.00	19987.00	20119.00	20244.00	20357.00	20477.00
4.70	4.70	4.60	4.50	4.40	4.30	4.20	4.20
67.60	67.60	67.50	67.40	67.40	67.30	67.30	67.20
15747.81	15877.55	16004.34	16125.04	16241.70	16354.87	16466.18	16574.17
1097608.00	1117225.00	1136308.00	1159241.00	1181117.00	1201904.00	1222869.00	1244821.00
88.50	89.80	91.10	92.50	93.80	94.80	96.10	97.40

2023	2024	2025	2026	2027	2028	2029	2030
35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
4.05	4.05	5.01	5.01	5.01	5.01	5.01	5.01
5.11	5.11	6.08	6.08	6.08	6.08	6.08	6.08
5.67	5.67	6.63	6.63	6.63	6.63	6.63	6.63
5.67	5.67	6.63	6.63	6.63	6.63	6.63	6.63
176.00	179.20	182.80	185.40	188.50	191.70	194.40	196.90
3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
5.10	5.10	5.20	5.20	5.20	5.20	5.20	5.20
103.50	103.40	102.90	103.50	103.70	103.90	104.60	105.70
1633968.00[7]	1661900.00	1696575.00	1735028.00	1767552.00	1797176.00	1827823.00	1863437.00
531823.00	541015.00	553990.00	568456.00	579792.00	588898.00	597970.00	610006.00
1102144.00	1120885.00	1142584.00	1166571.00	1187759.00	1208278.00	1229852.00	1253431.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Population (thousand)	30689.00	31021.00	31366.00	31650.00	31953.00	32243.00	32531.00	32815.00	33099.00
Labour Force (thousand)	15847.00	16110.00	16579.00	16959.00	17182.00	17343.00	17617.00	17805.00	17955.00
Employment (thousand)	14764.00	14946.00	15311.00	15672.00	15947.00	16171.00	16485.00	16669.00	16813.00
Unemployment Rate (percent)	6.80	7.20	7.70	7.60	7.20	6.80	6.40	6.40	6.40
Participation Rate (percent)	65.80	65.90	66.90	67.50	67.50	67.20	67.40	67.30	67.10
Households (thousand)	11790.00	12008.00	12140.00	12286.00	12454.00	12728.00	12916.00	13101.00	13285.00
Personal Disposable Income (millions $1997)	608077.00	624878.00	634855.00	648003.00	663961.00	679657.00	706793.00	735562.00	743878.00
Output (GDP) per employee (thousand $1997)	64.10	64.40	64.80	64.80	65.80	66.90	67.70	68.80	69.20

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Oil Price: WTI @ Cushing, OK (2005US$/barrel)							75.00	78.20	81.53
Gas Price: Henry Hub, LA (2005US$/mmBtu)							7.50	9.20	11.65
Coal Price: Alberta Delivered Price to Utilities (2005C$/GJ)							0.93	0.93	0.93
Coal Price: Saskatchewan Delivered Price to Utilities (2005C$/GJ)							2.42	2.42	2.42
Coal Price: Ontario Delivered Price to Utilities (2005C$/GJ)							3.20	3.20	3.20
Coal Price: Nova Scotia Delivered Price to Utilities (2005C$/GJ)							3.20	3.20	3.20
Consumer Price Index (1992=1.0)	113.50	116.40	119.00	122.30	124.60	127.30	130.40	131.70	136.80
Commercial Paper - 90 day Interest Rate (percent)	5.70	3.90	2.70	2.90	2.30	2.80	4.10	4.20	4.00
Government of Canada Bonds - 10+ years (percent)	5.90	5.80	5.70	5.30	5.10	4.40	4.30	4.30	4.90
Exchange Rate (centsUS/$Can)	67.30	64.60	63.70	71.40	76.80	82.50	89.20	93.00	91.90
Total GDP (million $1997)	946286.00	961951.00	992814.00	1015929.00	1049062.00	1082118.00	1116207.00	1146535.00	1162771.00
Goods GDP	312366.00	306681.00	311058.00	318302.00	331988.00	341711.00	353394.00	362599.00	371727.00
Services GDP	633919.00	655271.00	681755.00	697626.00	717073.00	740406.00	762813.00	783935.00	791044.00
Population (thousand)	30689.00	31021.00	31366.00	31650.00	31953.00	32243.00	32531.00	32815.00	33116.00
Labour Force (thousand)	15847.00	16110.00	16579.00	16959.00	17182.00	17343.00	17617.00	17805.00	17947.00
Employment (thousand)	14764.00	14946.00	15311.00	15672.00	15947.00	16171.00	16485.00	16669.00	16806.00
Unemployment Rate (percent)	6.80	7.20	7.70	7.60	7.20	6.80	6.40	6.40	6.40
Participation Rate (percent)	65.80	65.90	66.90	67.50	67.50	67.20	67.40	67.30	67.00
Households (thousand)	11790.00	12008.00	12140.00	12286.00	12454.00	12728.00	12916.00	13101.00	13291.00
Personal Disposable Income (millions $1997)	608077.00	624878.00	634855.00	648003.00	663961.00	679657.00	706793.00	735562.00	741978.00
Output (GDP) per employee (thousand $1997)	64.10	64.40	64.80	64.80	65.80	66.90	67.70	68.80	69.20

[1] West Texas Intermediate crude oil price at Cushing, Oklahoma

[2] Henry Hub natural gas price near Erath, Louisiana

Source: Informetrica Limited, Statistics Canada, NEB

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
33383.00	33667.00	33962.00	34257.00	34552.00	34849.00	35145.00	35442.00	35738.00	36035.00	36331.00	36625.00	36917.00	37207.00
18113.00	18304.00	18470.00	18587.00	18711.00	18834.00	18986.00	19144.00	19269.00	19368.00	19466.00	19593.00	19713.00	19807.00
16972.00	17183.00	17361.00	17484.00	17615.00	17737.00	17901.00	18075.00	18203.00	18293.00	18379.00	18517.00	18642.00	18731.00
6.30	6.10	6.00	5.90	5.90	5.80	5.70	5.60	5.50	5.60	5.60	5.50	5.40	5.40
66.90	66.90	66.70	66.50	66.30	66.10	66.00	66.00	65.90	65.70	65.50	65.40	65.30	65.10
13469.00	13654.00	13839.00	14018.00	14193.00	14370.00	14551.00	14729.00	14901.00	15070.00	15237.00	15402.00	15563.00	15717.00
757869.00	783302.00	807380.00	828631.00	849417.00	867908.00	896322.00	922377.00	942308.00	960660.00	977319.00	1000031.00	1017078.00	1032894.00
70.60	71.70	72.80	73.90	75.00	76.10	77.50	78.90	80.00	81.10	82.30	83.70	84.80	85.80

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
140.00	142.80	144.90	147.10	149.90	153.20	155.60	157.80	160.20	162.80	165.30	168.00	170.60	173.20
3.80	3.70	3.70	3.70	3.80	3.90	3.90	3.70	3.70	3.70	3.70	3.70	3.70	3.70
5.10	5.20	5.20	5.20	5.20	5.30	5.30	5.20	5.20	5.10	5.10	5.10	5.10	5.10
92.00	92.70	94.00	95.50	97.30	98.90	100.60	102.10	103.50	105.20	106.90	108.30	110.00	111.50
1183489.00	1200552.00	1229478.00	1259989.00	1287547.00	1308776.00	1337147.00	1363810.00	1390737.00	1414865.00	1441445.00	1470977.00	1492471.00	1510698.00
377162.00	380586.00	390422.00	400763.00	410971.00	417730.00	427892.00	436053.00	445128.00	452172.00	460823.00	470917.00	475566.00	477684.00
806327.00	819965.00	839055.00	859226.00	876576.00	891046.00	909254.00	927756.00	945609.00	962693.00	980622.00	1000060.00	1016904.00	1033014.00
33387.00	33660.00	33934.00	34214.00	34491.00	34765.00	35036.00	35304.00	35568.00	35828.00	36083.00	36333.00	36577.00	36815.00
18087.00	18206.00	18335.00	18482.00	18622.00	18739.00	18857.00	18981.00	19097.00	19199.00	19300.00	19407.00	19480.00	19534.00
16941.00	17046.00	17178.00	17354.00	17520.00	17645.00	17769.00	17904.00	18032.00	18139.00	18246.00	18368.00	18435.00	18474.00
6.30	6.40	6.30	6.10	5.90	5.80	5.80	5.70	5.60	5.50	5.50	5.40	5.40	5.40
66.80	66.50	66.30	66.20	66.10	65.90	65.80	65.70	65.60	65.50	65.30	65.20	65.10	64.80
13471.00	13651.00	13828.00	14003.00	14171.00	14340.00	14512.00	14679.00	14839.00	14995.00	15146.00	15295.00	15438.00	15572.00
757492.00	771796.00	790975.00	812465.00	831607.00	848136.00	869045.00	891567.00	912620.00	932609.00	953382.00	974819.00	994402.00	1011656.00
69.90	70.40	71.60	72.60	73.50	74.20	75.30	76.20	77.10	78.00	79.00	80.10	81.00	81.80

2023	2024	2025	2026	2027	2028	2029	2030
37495.00	37779.00	38060.00	38336.00	38608.00	38875.00	39138.00	39396.00
19882.00	19945.00	20025.00	20117.00	20196.00	20263.00	20334.00	20423.00
18793.00	18843.00	18923.00	19026.00	19106.00	19170.00	19230.00	19319.00
5.50	5.50	5.50	5.40	5.40	5.40	5.40	5.40
64.80	64.50	64.30	64.10	63.90	63.70	63.40	63.30
15865.00	16009.00	16152.00	16289.00	16423.00	16555.00	16687.00	16816.00
1047751.00	1062435.00	1081714.00	1105314.00	1125958.00	1145107.00	1165722.00	1188520.00
86.90	88.20	89.70	91.20	92.50	93.70	95.00	96.50

2023	2024	2025	2026	2027	2028	2029	2030
85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00
12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
175.70	178.30	181.20	183.70	186.40	189.40	192.50	195.40
3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
5.10	5.10	5.20	5.20	5.20	5.20	5.20	5.20
112.80	114.10	115.20	116.70	118.20	119.30	119.90	120.30
1529958.00	1550797.00	1572432.00	1596609.00	1618331.00	1638526.00	1660616.00	1686760.00
480334.00	484373.00	489688.00	495413.00	499411.00	502478.00	506666.00	512717.00
1049623.00	1066424.00	1082744.00	1101195.00	1118920.00	1136048.00	1153949.00	1174043.00
37045.00	37268.00	37483.00	37689.00	37886.00	38073.00	38252.00	38420.00
19587.00	19652.00	19716.00	19772.00	19827.00	19877.00	19931.00	19999.00
18516.00	18585.00	18657.00	18727.00	18792.00	18851.00	18916.00	19004.00
5.50	5.40	5.40	5.30	5.20	5.20	5.10	5.00
64.60	64.40	64.20	64.00	63.80	63.70	63.50	63.40
15699.00	15821.00	15939.00	16049.00	16156.00	16257.00	16356.00	16451.00
1028372.00	1044858.00	1060961.00	1080531.00	1098689.00	1114736.00	1130505.00	1146348.00
82.60	83.40	84.30	85.30	86.10	86.90	87.80	88.80

Table A1.2: Economic Indicators, Alberta

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	117.40	120.10	124.20	129.70	131.50	134.30	138.50	139.90	143.00	144.20	145.00	147.40	149.50	152.40
Total GDP (million $1997)	116005.00	119619.00	121471.00	124630.00	129310.00	132948.00	139798.00	145655.00	150737.00	157250.00	162963.00	167058.00	172030.00	176299.00
Goods GDP	47581.00	47846.00	46125.00	47585.00	50394.00	50486.00	53645.00	56340.00	58388.00	60987.00	63150.00	64442.00	66130.00	67616.00
Services GDP	68423.00	71774.00	75346.00	77045.00	78916.00	82462.00	86152.00	89315.00	92349.00	96263.00	99813.00	102616.00	105900.00	108682.00
Population (thousand)	3005.00	3057.00	3115.00	3156.00	3197.00	3244.00	3288.00	3333.00	3415.00	3465.00	3516.00	3551.00	3596.00	3641.00
Labour Force (thousand)	1667.00	1710.00	1764.00	1809.00	1842.00	1858.00	1922.00	1963.00	2020.00	2060.00	2097.00	2120.00	2149.00	2176.00
Employment (thousand)	1584.00	1631.00	1671.00	1717.00	1757.00	1785.00	1865.00	1913.00	1957.00	2000.00	2035.00	2064.00	2094.00	2124.00
Unemployment Rate (percent)	5.00	4.60	5.30	5.10	4.60	3.90	3.00	2.60	3.10	2.90	2.90	2.70	2.60	2.40
Participation Rate (percent)	72.20	72.40	73.00	73.50	73.50	72.70	73.90	74.20	74.30	74.50	74.60	74.50	74.50	74.40
Households (thousand)	1107.00	1142.10	1174.20	1200.50	1222.40	1260.20	1285.50	1310.40	1349.50	1376.50	1404.10	1426.00	1450.80	1475.10
Personal Disposable Income (millions $1997)	63209.10	68871.20	68780.40	70301.00	74063.20	75820.80	80697.80	85480.90	89072.10	92950.70	96938.40	99818.20	103148.50	105614.60
Output (GDP) per employee (thousand $1997)	73.20	73.30	72.70	72.60	73.60	74.50	75.00	76.10	77.00	78.60	80.10	80.90	82.20	83.00

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	117.40	120.10	124.20	129.70	131.50	134.30	138.50	139.90	146.70	150.40	154.60	155.70	157.30	158.90
Total GDP (million $1997)	116005.00	119619.00	121471.00	124630.00	129310.00	132948.00	139798.00	145655.00	148176.00	153490.00	158589.00	162639.00	165741.00	169503.00
Goods GDP	47581.00	47846.00	46125.00	47585.00	50394.00	50486.00	53645.00	56340.00	57604.00	60139.00	62382.00	63796.00	64597.00	65886.00
Services GDP	68423.00	71774.00	75346.00	77045.00	78916.00	82462.00	86152.00	89315.00	90572.00	93351.00	96206.00	98843.00	101144.00	103617.00
Population (thousand)	3005.00	3057.00	3115.00	3156.00	3197.00	3244.00	3288.00	3333.00	3371.00	3409.00	3447.00	3486.00	3525.00	3563.00
Labour Force (thousand)	1667.00	1710.00	1764.00	1809.00	1842.00	1858.00	1922.00	1963.00	1991.00	2017.00	2044.00	2068.00	2084.00	2101.00
Employment (thousand)	1584.00	1631.00	1671.00	1717.00	1757.00	1785.00	1865.00	1913.00	1937.00	1966.00	1994.00	2022.00	2035.00	2053.00
Unemployment Rate (percent)	5.00	4.60	5.30	5.10	4.60	3.90	3.00	2.60	2.70	2.60	2.50	2.20	2.40	2.30
Participation Rate (percent)	72.20	72.40	73.00	73.50	73.50	72.70	73.90	74.20	74.20	74.10	74.10	73.90	73.60	73.30
Households (thousand)	1107.00	1142.10	1174.20	1200.50	1223.30	1261.80	1287.70	1313.30	1336.80	1360.30	1383.70	1407.10	1429.70	1451.80
Personal Disposable Income (millions $1997)	63209.10	68871.20	68780.40	70301.00	74063.20	75820.80	80697.80	85480.90	86256.00	88334.30	91026.50	94089.30	96487.20	98832.30
Output (GDP) per employee (thousand $1997)	73.20	73.30	72.70	72.60	73.60	74.50	75.00	76.10	76.50	78.10	79.50	80.40	81.40	82.60

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	117.40	120.10	124.20	129.70	131.50	134.30	138.50	139.90	146.70	150.40	153.30	155.30	157.60	160.40
Total GDP (million $1997)	116005.00	119619.00	121471.00	124630.00	129310.00	132948.00	139798.00	145655.00	147510.00	152139.00	156277.00	162016.00	167224.00	172942.00
Goods GDP	47581.00	47846.00	46125.00	47585.00	50394.00	50486.00	53645.00	56340.00	57411.00	58592.00	61359.00	63853.00	65716.00	68014.00
Services GDP	68423.00	71774.00	75346.00	77045.00	78916.00	82462.00	86152.00	89315.00	90098.00	92548.00	94918.00	98162.00	101508.00	104927.00
Population (thousand)	3005.00	3057.00	3115.00	3156.00	3197.00	3244.00	3288.00	3333.00	3421.00	3481.00	3545.00	3597.00	3663.00	3733.00
Labour Force (thousand)	1667.00	1710.00	1764.00	1809.00	1842.00	1858.00	1922.00	1963.00	1988.00	2032.00	2063.00	2098.00	2135.00	2176.00
Employment (thousand)	1584.00	1631.00	1671.00	1717.00	1757.00	1785.00	1865.00	1913.00	1944.00	1989.00	2024.00	2068.00	2103.00	2143.00
Unemployment Rate (percent)	5.00	4.60	5.30	5.10	4.60	3.90	3.00	2.60	2.70	2.10	1.90	1.40	1.50	1.50
Participation Rate (percent)	72.20	72.40	73.00	73.50	73.50	72.70	73.90	74.20	74.20	74.10	73.80	73.60	73.50	73.40
Households (thousand)	1107.00	1142.10	1174.20	1200.50	1222.40	1260.20	1285.50	1310.40	1351.40	1381.60	1413.90	1441.80	1474.00	1507.20
Personal Disposable Income (millions $1997)	63209.10	68871.20	68780.40	70301.00	74063.20	75820.80	80697.80	85480.90	85636.10	88436.80	91165.20	94726.40	98093.10	101583.20
Output (GDP) per employee (thousand $1997)	73.20	73.30	72.70	72.60	73.60	74.50	75.00	76.10	75.90	76.50	77.20	78.40	79.50	80.70

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
155.60	157.30	159.10	161.20	163.80	166.50	169.20	172.20	175.10	178.00	181.00	184.10	187.10	190.50	194.10	197.70	201.20
180534.00	186053.00	191238.00	196674.00	200765.00	204721.00	208658.00	212232.00	216430.00	221069.00	225180.00	229508.00	233703.00	237696.00	241306.00	245182.00	249277.00
68951.00	70835.00	72421.00	74315.00	75410.00	76382.00	77294.00	77953.00	78982.00	80319.00	81341.00	82625.00	83728.00	84711.00	85485.00	86407.00	87445.00
111583.00	115218.00	118817.00	122359.00	125355.00	128339.00	131363.00	134279.00	137448.00	140750.00	143839.00	146883.00	149974.00	152985.00	155820.00	158775.00	161833.00
3685.00	3730.00	3774.00	3818.00	3861.00	3905.00	3948.00	3990.00	4032.00	4073.00	4114.00	4153.00	4192.00	4230.00	4267.00	4303.00	4339.00
2201.00	2228.00	2256.00	2284.00	2308.00	2330.00	2353.00	2376.00	2400.00	2423.00	2445.00	2466.00	2482.00	2496.00	2508.00	2518.00	2530.00
2149.00	2177.00	2203.00	2230.00	2252.00	2271.00	2291.00	2309.00	2329.00	2351.00	2368.00	2385.00	2399.00	2414.00	2428.00	2441.00	2455.00
2.30	2.30	2.30	2.40	2.40	2.60	2.70	2.80	2.90	3.00	3.20	3.30	3.30	3.30	3.20	3.10	3.00
74.30	74.30	74.30	74.40	74.30	74.20	74.10	74.00	74.00	74.00	73.90	73.80	73.50	73.20	72.90	72.60	72.20
1499.50	1524.30	1548.70	1572.60	1596.00	1619.10	1642.10	1664.60	1686.30	1707.40	1727.90	1748.20	1767.80	1787.00	1805.90	1824.70	1843.00
107938.50	110966.50	114320.80	117714.60	120499.60	123007.90	125672.20	127998.30	130542.50	133145.00	135621.80	137919.40	140503.30	143074.20	145561.10	148053.80	150678.00
84.00	85.40	86.80	88.20	89.20	90.20	91.10	91.90	92.90	94.10	95.10	96.20	97.40	98.50	99.40	100.40	101.60

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
161.40	163.50	164.80	167.10	169.20	171.60	174.70	178.00	181.50	184.90	188.20	192.40	195.10	198.40	201.70	204.60	207.40
172277.00	176134.00	179286.00	181516.00	183092.00	185243.00	187787.00	189971.00	191953.00	194467.00	197177.00	200396.00	203860.00	206680.00	209275.00	212101.00	215373.00
66486.00	67417.00	67891.00	67921.00	67518.00	67559.00	67732.00	67803.00	67840.00	68247.00	68794.00	69569.00	70530.00	71174.00	71675.00	72271.00	73105.00
105791.00	108717.00	111394.00	113594.00	115574.00	117684.00	120055.00	122167.00	124113.00	126220.00	128383.00	130828.00	133330.00	135506.00	137600.00	139830.00	142267.00
3602.00	3641.00	3679.00	3718.00	3756.00	3794.00	3831.00	3868.00	3905.00	3941.00	3976.00	4011.00	4045.00	4078.00	4111.00	4143.00	4174.00
2117.00	2137.00	2156.00	2171.00	2182.00	2193.00	2206.00	2218.00	2228.00	2237.00	2243.00	2252.00	2257.00	2259.00	2258.00	2258.00	2260.00
2064.00	2079.00	2089.00	2096.00	2097.00	2099.00	2104.00	2110.00	2113.00	2119.00	2125.00	2132.00	2139.00	2143.00	2147.00	2152.00	2159.00
2.50	2.70	3.10	3.40	3.90	4.30	4.60	4.90	5.20	5.20	5.30	5.30	5.20	5.10	4.90	4.70	4.50
73.00	72.90	72.80	72.50	72.20	71.80	71.60	71.20	70.90	70.50	70.10	69.70	69.30	68.70	68.10	67.60	67.10
1473.90	1496.50	1518.50	1540.10	1561.10	1581.90	1602.60	1622.70	1642.10	1660.90	1679.30	1697.30	1714.80	1731.90	1748.70	1765.40	1781.80
100660.90	103444.90	106145.50	107452.40	108838.70	110214.30	111998.10	113514.70	114885.10	115375.30	116696.90	118119.70	120263.00	122100.20	123862.30	125800.00	128140.50
83.40	84.70	85.80	86.60	87.30	88.20	89.20	90.00	90.80	91.80	92.80	94.00	95.30	96.40	97.50	98.60	99.80

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
163.80	166.30	168.50	171.00	173.60	176.20	179.00	181.70	184.30	187.00	189.70	192.60	195.20	198.10	201.20	204.50	207.50
177989.00	184746.00	189761.00	195063.00	200702.00	206251.00	212946.00	217312.00	221242.00	226234.00	231100.00	235906.00	240324.00	244820.00	249482.00	254093.00	259487.00
69921.00	72746.00	74123.00	75816.00	77636.00	79321.00	81663.00	82709.00	83427.00	84697.00	85773.00	86883.00	87757.00	88594.00	89463.00	90270.00	91334.00
108068.00	112001.00	115638.00	119248.00	123066.00	126929.00	131283.00	134603.00	137814.00	141537.00	145327.00	149023.00	152567.00	156226.00	160018.00	163823.00	168153.00
3806.00	3883.00	3965.00	4046.00	4127.00	4209.00	4290.00	4371.00	4452.00	4533.00	4613.00	4693.00	4772.00	4851.00	4928.00	5005.00	5082.00
2215.00	2258.00	2304.00	2351.00	2394.00	2439.00	2481.00	2516.00	2550.00	2584.00	2620.00	2654.00	2682.00	2709.00	2735.00	2762.00	2791.00
2179.00	2222.00	2253.00	2286.00	2320.00	2349.00	2385.00	2412.00	2435.00	2463.00	2489.00	2515.00	2536.00	2558.00	2581.00	2602.00	2625.00
1.60	1.60	2.20	2.70	3.10	3.70	3.90	4.10	4.50	4.70	5.00	5.30	5.50	5.60	5.60	5.80	6.00
73.30	73.20	73.10	73.10	73.00	72.90	72.80	72.50	72.10	71.80	71.50	71.20	70.70	70.20	69.80	69.30	68.90
1542.00	1578.90	1616.90	1654.70	1692.50	1730.20	1768.20	1806.00	1843.20	1879.90	1916.40	1952.80	1988.70	2024.50	2060.10	2095.80	2131.30
104799.00	108948.60	112704.50	116304.10	120202.20	123968.20	128199.60	131736.00	134885.60	138356.40	141663.70	144903.60	148204.20	151546.40	154875.20	157946.80	161083.90
81.70	83.10	84.20	85.30	86.50	87.80	89.30	90.10	90.90	91.90	92.90	93.80	94.80	95.70	96.70	97.70	98.90

Table A1.3: Economic Indicators, British Columbia

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.30	115.20	117.90	120.40	122.80	125.30	126.90	128.30	130.40	132.00	133.10	135.30	137.30	139.90
Total GDP (million $1997)	114228.00	115647.00	118239.00	121873.00	124888.00	130252.00	134629.00	138125.00	141407.00	145969.00	150468.00	154000.00	158356.00	161794.00
Goods GDP	30473.00	29009.00	28687.00	31592.00	32259.00	33963.00	35412.00	36205.00	37149.00	38183.00	39137.00	40140.00	41223.00	42064.00
Services GDP	83755.00	86638.00	89553.00	90281.00	92629.00	96290.00	99217.00	101920.00	104258.00	107786.00	111331.00	113859.00	117133.00	119730.00
Population (thousand)	4039.00	4078.00	4117.00	4155.00	4202.00	4247.00	4293.00	4338.00	4383.00	4427.00	4471.00	4516.00	4562.00	4607.00
Labour Force (thousand)	2080.00	2083.00	2148.00	2191.00	2222.00	2263.00	2322.00	2356.00	2381.00	2412.00	2440.00	2465.00	2490.00	2512.00
Employment (thousand)	1931.00	1922.00	1965.00	2015.00	2063.00	2131.00	2202.00	2232.00	2256.00	2288.00	2353.00	2352.00	2381.00	2408.00
Unemployment Rate (percent)	7.10	7.70	8.50	8.00	7.20	5.90	5.20	5.30	5.30	5.10	3.60	4.60	4.40	4.10
Participation Rate (percent)	64.80	64.00	65.10	65.60	65.50	65.60	66.30	66.40	66.30	66.30	66.70	66.10	66.00	65.80
Households (thousand)	1578.50	1616.30	1627.60	1654.50	1683.80	1725.70	1756.10	1785.80	1815.20	1844.40	1873.40	1902.50	1930.70	1958.70
Personal Disposable Income (millions $1997)	79340.30	81312.10	82450.10	85032.50	87107.20	90600.50	95664.00	99383.60	102300.60	105653.90	109942.00	112333.60	115751.70	118402.50
Output (GDP) per employee (thousand $1997)	59.10	60.20	60.20	60.50	60.50	61.10	61.10	61.90	62.70	63.80	63.90	65.50	66.50	67.20

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.30	115.20	117.90	120.40	122.80	125.30	126.90	128.30	132.50	135.80	138.90	140.50	142.30	144.30
Total GDP (million $1997)	114228.00	115647.00	118239.00	121873.00	124888.00	130252.00	134629.00	138125.00	139576.00	142506.00	146906.00	150133.00	153378.00	156697.00
Goods GDP	30473.00	29009.00	28687.00	31592.00	32259.00	33963.00	35412.00	36205.00	36685.00	37202.00	38649.00	39603.00	40340.00	41130.00
Services GDP	83755.00	86638.00	89553.00	90281.00	92629.00	96290.00	99217.00	101920.00	102891.00	105304.00	108257.00	110530.00	113039.00	115567.00
Population (thousand)	4039.00	4078.00	4117.00	4155.00	4203.00	4247.00	4293.00	4339.00	4378.00	4417.00	4456.00	4497.00	4538.00	4579.00
Labour Force (thousand)	2080.00	2083.00	2148.00	2191.00	2222.00	2263.00	2322.00	2356.00	2373.00	2390.00	2411.00	2430.00	2444.00	2457.00
Employment (thousand)	1931.00	1922.00	1965.00	2015.00	2063.00	2131.00	2202.00	2232.00	2247.00	2262.00	2322.00	2315.00	2332.00	2348.00
Unemployment Rate (percent)	7.10	7.70	8.50	8.00	7.20	5.90	5.20	5.30	5.30	5.30	3.70	4.70	4.60	4.40
Participation Rate (percent)	64.80	64.00	65.10	65.60	65.50	65.60	66.30	66.40	66.10	65.70	65.00	65.30	65.00	64.70
Households (thousand)	1578.50	1616.30	1627.60	1654.50	1682.90	1724.20	1753.90	1783.10	1810.10	1837.00	1863.80	1890.80	1917.10	1942.60
Personal Disposable Income (millions $1997)	79340.30	81312.10	82450.10	85032.50	87107.20	90600.50	95664.00	99383.60	100433.10	101931.80	105653.80	108116.10	110881.50	113352.80
Output (GDP) per employee (thousand $1997)	59.10	60.20	60.20	60.50	60.50	61.10	61.10	61.90	62.10	63.20	63.30	64.90	65.80	66.70

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.30	115.20	117.90	120.40	122.80	125.30	126.90	128.30	132.80	135.70	138.20	140.10	142.10	144.70
Total GDP (million $1997)	114228.00	115647.00	118239.00	121873.00	124888.00	130252.00	134629.00	138125.00	139211.00	141596.00	144331.00	147888.00	151940.00	155593.00
Goods GDP	30473.00	29009.00	28687.00	31592.00	32259.00	33963.00	35412.00	36205.00	36463.00	36701.00	37075.00	38222.00	39340.00	40431.00
Services GDP	83755.00	86638.00	89553.00	90281.00	92629.00	96290.00	99217.00	101920.00	102748.00	104894.00	107256.00	109666.00	112601.00	115162.00
Population (thousand)	4039.00	4078.00	4117.00	4155.00	4202.00	4247.00	4293.00	4338.00	4384.00	4433.00	4484.00	4540.00	4598.00	4660.00
Labour Force (thousand)	2080.00	2083.00	2148.00	2191.00	2222.00	2263.00	2322.00	2356.00	2377.00	2397.00	2415.00	2438.00	2466.00	2493.00
Employment (thousand)	1931.00	1922.00	1965.00	2015.00	2063.00	2131.00	2202.00	2232.00	2243.00	2263.00	2320.00	2317.00	2351.00	2384.00
Unemployment Rate (percent)	7.10	7.70	8.50	8.00	7.20	5.90	5.20	5.30	5.60	5.60	3.90	4.90	4.60	4.40
Participation Rate (percent)	64.80	64.00	65.10	65.60	65.50	65.60	66.30	66.40	66.00	65.70	65.30	64.90	64.70	64.50
Households (thousand)	1578.50	1616.30	1627.60	1654.50	1683.80	1725.70	1756.10	1785.80	1815.60	1846.40	1878.10	1911.10	1944.40	1978.00
Personal Disposable Income (millions $1997)	79340.30	81312.10	82450.10	85032.50	87107.20	90600.50	95664.00	99383.60	100139.00	102441.10	105514.50	107990.30	111303.30	114366.90
Output (GDP) per employee (thousand $1997)	59.10	60.20	60.20	60.50	60.50	61.10	61.10	61.90	62.10	62.60	62.20	63.80	64.60	65.30

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
142.50	144.00	145.60	147.50	149.80	152.10	154.60	157.20	159.70	162.20	164.80	167.50	170.10	173.10	176.20	179.30	182.30
165065.00	169857.00	174861.00	179958.00	183994.00	187776.00	191839.00	195705.00	199948.00	204321.00	208546.00	212854.00	217347.00	221525.00	225326.00	229256.00	233423.00
42684.00	43967.00	45371.00	46892.00	47931.00	48764.00	49725.00	50586.00	51663.00	52876.00	54007.00	55087.00	56294.00	57338.00	58182.00	59083.00	60141.00
122381.00	125889.00	129490.00	133066.00	136063.00	139012.00	142114.00	145119.00	148285.00	151444.00	154539.00	157767.00	161052.00	164187.00	167144.00	170172.00	173283.00
4651.00	4696.00	4740.00	4783.00	4826.00	4869.00	4911.00	4953.00	4993.00	5033.00	5072.00	5110.00	5148.00	5184.00	5218.00	5252.00	5285.00
2532.00	2564.00	2578.00	2601.00	2620.00	2637.00	2655.00	2672.00	2691.00	2710.00	2727.00	2742.00	2758.00	2774.00	2788.00	2802.00	2816.00
2430.00	2456.00	2485.00	2514.00	2539.00	2569.00	2582.00	2605.00	2628.00	2652.00	2672.00	2690.00	2708.00	2726.00	2743.00	2759.00	2775.00
4.00	3.80	3.60	3.40	3.10	3.00	2.70	2.50	2.30	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40
65.70	65.60	65.60	65.50	65.40	65.20	65.10	65.00	64.90	64.80	64.70	64.60	64.50	64.40	64.30	64.10	64.00
1985.60	2013.40	2040.60	2066.90	2092.60	2117.80	2142.70	2166.80	2189.80	2212.00	2233.40	2254.50	2274.60	2294.20	2313.20	2331.90	2350.10
121030.70	124549.70	128319.10	131937.50	135082.70	137931.30	140925.90	143823.10	146779.10	149798.80	152744.60	155674.20	158733.50	161792.50	164775.10	167733.90	170832.70
67.90	69.10	70.40	71.60	72.50	73.40	74.30	75.10	76.10	77.00	78.00	79.10	80.30	81.30	82.10	83.10	84.10

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
146.60	148.50	150.00	152.20	154.30	156.60	159.20	162.20	165.10	168.10	170.90	174.20	176.50	179.20	181.90	184.30	186.50
159638.00	164053.00	168517.00	171972.00	175282.00	178679.00	183001.00	186782.00	190317.00	193446.00	196719.00	200681.00	205037.00	208779.00	212153.00	215628.00	219658.00
41837.00	43012.00	44237.00	45038.00	45740.00	46580.00	47911.00	49037.00	49867.00	50568.00	51391.00	52555.00	53875.00	54893.00	55677.00	56463.00	57592.00
117801.00	121042.00	124280.00	126934.00	129542.00	132099.00	135090.00	137745.00	140449.00	142878.00	145329.00	148125.00	151163.00	153885.00	156476.00	159164.00	162066.00
4619.00	4660.00	4700.00	4741.00	4781.00	4820.00	4860.00	4899.00	4938.00	4976.00	5014.00	5051.00	5087.00	5123.00	5158.00	5192.00	5225.00
2471.00	2490.00	2510.00	2525.00	2536.00	2548.00	2564.00	2579.00	2594.00	2607.00	2618.00	2630.00	2643.00	2653.00	2661.00	2669.00	2680.00
2364.00	2387.00	2412.00	2430.00	2445.00	2458.00	2480.00	2488.00	2513.00	2522.00	2530.00	2541.00	2554.00	2564.00	2573.00	2581.00	2593.00
4.30	4.10	3.90	3.70	3.60	3.50	3.30	3.10	3.10	3.30	3.40	3.40	3.30	3.30	3.30	3.30	3.30
64.40	64.30	64.20	64.10	63.80	63.60	63.50	63.30	63.20	63.00	62.80	62.60	62.50	62.30	62.00	61.80	61.60
1968.30	1994.40	2020.00	2044.90	2069.10	2093.00	2116.60	2139.60	2161.70	2182.90	2203.50	2223.80	2243.30	2262.40	2281.10	2299.60	2317.80
115664.10	119213.30	122527.60	125060.60	127401.50	129626.20	132644.90	135182.40	137813.70	140044.80	142233.40	145088.30	148555.10	151840.90	154944.10	158277.90	162145.20
67.50	68.70	69.90	70.80	71.70	72.70	73.80	74.80	75.70	76.70	77.70	79.00	80.30	81.40	82.50	83.60	84.70

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
147.50	149.70	151.70	153.90	156.20	158.50	160.90	163.20	165.50	167.70	170.00	172.60	174.80	177.20	179.80	182.50	185.10
158498.00	162291.00	166170.00	169850.00	173502.00	177303.00	181562.00	185154.00	188644.00	192267.00	196082.00	199849.00	203808.00	207506.00	210993.00	214639.00	218770.00
41087.00	42122.00	42992.00	43862.00	44686.00	45599.00	46718.00	47381.00	47786.00	48326.00	49064.00	49812.00	50569.00	51134.00	51573.00	52095.00	52794.00
117410.00	120169.00	123178.00	125988.00	128816.00	131704.00	134844.00	137773.00	140858.00	143941.00	147018.00	150037.00	153239.00	156372.00	159420.00	162543.00	165976.00
4724.00	4791.00	4861.00	4930.00	4999.00	5067.00	5135.00	5202.00	5268.00	5334.00	5398.00	5461.00	5524.00	5584.00	5644.00	5702.00	5760.00
2518.00	2546.00	2577.00	2607.00	2634.00	2662.00	2691.00	2713.00	2735.00	2756.00	2777.00	2798.00	2818.00	2838.00	2858.00	2880.00	2905.00
2412.00	2441.00	2473.00	2503.00	2533.00	2561.00	2594.00	2619.00	2642.00	2665.00	2693.00	2719.00	2744.00	2768.00	2791.00	2815.00	2841.00
4.20	4.10	4.10	4.00	3.90	3.80	3.60	3.50	3.40	3.30	3.00	2.80	2.60	2.40	2.30	2.30	2.20
64.20	64.00	63.90	63.70	63.50	63.30	63.20	62.90	62.60	62.30	62.00	61.70	61.50	61.20	61.00	60.80	60.70
2012.90	2049.40	2086.60	2123.00	2158.90	2194.40	2229.70	2264.30	2297.90	2330.60	2362.60	2394.20	2425.00	2455.10	2484.80	2514.10	2542.90
117172.70	120575.40	124365.40	127838.50	131377.80	134969.00	138734.00	142502.00	146101.50	149628.20	153107.80	156427.40	160168.50	163737.20	167022.10	170219.20	173369.20
65.70	66.50	67.20	67.90	68.50	69.20	70.00	70.70	71.40	72.10	72.80	73.50	74.30	75.00	75.60	76.30	77.00

Table A1.4: Economic Indicators, Manitoba

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	118.10	121.20	123.10	125.30	127.80	131.20	133.10	134.70	137.20	139.00	140.20	142.70	144.80	147.80
Total GDP (million $1997)	30422.00	31053.00	31786.00	31889.00	32822.00	33896.00	35013.00	35790.00	36748.00	37785.00	38731.00	39799.00	40649.00	41348.00
Goods GDP	8462.00	8565.00	8536.00	8827.00	9218.00	9533.00	9951.00	10190.00	10724.00	11049.00	11349.00	11816.00	11975.00	12174.00
Services GDP	21960.00	22488.00	23250.00	23062.00	23604.00	24363.00	25062.00	25601.00	26024.00	26736.00	27382.00	27983.00	28673.00	29174.00
Population (thousand)	1147.00	1151.00	1155.00	1161.00	1168.00	1173.00	1177.00	1181.00	1185.00	1190.00	1194.00	1198.00	1202.00	1207.00
Labour Force (thousand)	581.00	584.00	598.00	600.00	609.00	609.00	621.00	627.00	631.00	637.00	642.00	646.00	650.00	653.00
Employment (thousand)	552.00	554.00	567.00	570.00	577.00	580.00	591.00	595.00	603.00	609.00	612.00	621.00	623.00	626.00
Unemployment Rate (percent)	5.00	5.10	5.10	5.00	5.30	4.80	4.90	5.00	4.50	4.50	4.70	3.90	4.20	4.20
Participation Rate (percent)	67.90	67.80	69.00	68.70	69.00	68.60	69.40	69.50	69.60	69.80	69.80	69.90	69.90	69.90
Households (thousand)	437.50	441.50	441.50	443.70	444.60	450.90	454.80	458.60	462.50	466.40	470.30	474.30	478.10	481.70
Personal Disposable Income (millions $1997)	20883.60	21141.90	21322.60	22075.20	22517.70	22811.60	23901.50	24708.20	25377.10	26068.70	26897.20	27777.30	28362.20	28867.30
Output (GDP) per employee (thousand $1997)	55.10	56.00	56.00	55.90	56.90	58.40	59.30	60.10	60.90	62.10	63.30	64.10	65.30	66.10

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	118.10	121.20	123.10	125.30	127.80	131.20	133.10	134.70	139.50	143.20	146.70	148.40	150.50	152.70
Total GDP (million $1997)	30422.00	31053.00	31786.00	31889.00	32822.00	33896.00	35013.00	35790.00	36136.00	36805.00	37535.00	38318.00	39102.00	39812.00
Goods GDP	8462.00	8565.00	8536.00	8827.00	9218.00	9533.00	9951.00	10190.00	10408.00	10663.00	10923.00	11179.00	11451.00	11687.00
Services GDP	21960.00	22488.00	23250.00	23062.00	23604.00	24363.00	25062.00	25601.00	25728.00	26142.00	26612.00	27139.00	27651.00	28126.00
Population (thousand)	1147.00	1151.00	1155.00	1161.00	1168.00	1173.00	1177.00	1181.00	1185.00	1189.00	1194.00	1198.00	1203.00	1207.00
Labour Force (thousand)	581.00	584.00	598.00	600.00	609.00	609.00	621.00	627.00	628.00	631.00	634.00	636.00	637.00	638.00
Employment (thousand)	552.00	554.00	567.00	570.00	577.00	580.00	591.00	595.00	598.00	600.00	602.00	608.00	610.00	612.00
Unemployment Rate (percent)	5.00	5.10	5.10	5.00	5.30	4.80	4.90	5.00	4.80	4.90	4.90	4.50	4.20	4.10
Participation Rate (percent)	67.90	67.80	69.00	68.70	69.00	68.60	69.40	69.50	69.30	69.10	69.00	68.80	68.60	68.40
Households (thousand)	437.50	441.50	441.50	443.70	444.70	451.10	455.00	458.80	462.60	466.50	470.40	474.30	478.00	481.70
Personal Disposable Income (millions $1997)	20883.60	21141.90	21322.60	22075.20	22517.70	22811.60	23901.50	24708.20	24866.10	25100.10	25663.50	26392.40	26992.60	27486.10
Output (GDP) per employee (thousand $1997)	55.10	56.00	56.00	55.90	56.90	58.40	59.30	60.10	60.40	61.40	62.30	63.10	64.10	65.00

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	118.10	121.20	123.10	125.30	127.80	131.20	133.10	134.70	139.80	143.00	145.90	147.90	150.20	153.00
Total GDP (million $1997)	30422.00	31053.00	31786.00	31889.00	32822.00	33896.00	35013.00	35790.00	36364.00	36799.00	37111.00	38007.00	38637.00	39230.00
Goods GDP	8462.00	8565.00	8536.00	8827.00	9218.00	9533.00	9951.00	10190.00	10647.00	10731.00	10760.00	11176.00	11277.00	11467.00
Services GDP	21960.00	22488.00	23250.00	23062.00	23604.00	24363.00	25062.00	25601.00	25717.00	26068.00	26351.00	26831.00	27360.00	27763.00
Population (thousand)	1147.00	1151.00	1155.00	1161.00	1168.00	1173.00	1177.00	1181.00	1186.00	1191.00	1195.00	1200.00	1205.00	1210.00
Labour Force (thousand)	581.00	584.00	598.00	600.00	609.00	609.00	621.00	627.00	628.00	630.00	631.00	632.00	636.00	638.00
Employment (thousand)	552.00	554.00	567.00	570.00	577.00	580.00	591.00	595.00	603.00	605.00	604.00	612.00	613.00	615.00
Unemployment Rate (percent)	5.00	5.10	5.10	5.00	5.30	4.80	4.90	5.00	4.10	4.00	4.20	3.30	3.60	3.50
Participation Rate (percent)	67.90	67.80	69.00	68.70	69.00	68.60	69.40	69.50	69.20	69.00	68.60	68.30	68.30	68.20
Households (thousand)	437.50	441.50	441.50	443.70	444.60	450.90	454.80	458.60	462.60	466.70	470.80	474.90	478.90	482.60
Personal Disposable Income (millions $1997)	20883.60	21141.90	21322.60	22075.20	22517.70	22811.60	23901.50	24708.20	24989.90	25404.90	25745.90	26445.20	26906.80	27359.20
Output (GDP) per employee (thousand $1997)	55.10	56.00	56.00	55.90	56.90	58.40	59.30	60.10	60.40	60.90	61.40	62.10	63.10	63.70

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
150.70	152.40	154.20	156.30	158.90	161.50	164.30	167.20	170.10	172.90	175.80	178.90	181.90	185.20	188.80	192.30	195.70
42055.00	43159.00	44319.00	45549.00	46353.00	47234.00	48138.00	49509.00	50422.00	51350.00	52276.00	53193.00	54216.00	55144.00	55977.00	56860.00	57789.00
12356.00	12716.00	13094.00	13564.00	13672.00	13934.00	14207.00	14791.00	15059.00	15342.00	15639.00	15954.00	16299.00	16597.00	16845.00	17119.00	17420.00
29699.00	30443.00	31225.00	31986.00	32681.00	33300.00	33931.00	34718.00	35363.00	36008.00	36637.00	37239.00	37916.00	38547.00	39132.00	39740.00	40369.00
1211.00	1216.00	1220.00	1225.00	1229.00	1233.00	1238.00	1242.00	1246.00	1250.00	1253.00	1257.00	1260.00	1263.00	1266.00	1269.00	1271.00
655.00	658.00	661.00	664.00	666.00	667.00	669.00	671.00	674.00	677.00	679.00	681.00	682.00	684.00	686.00	688.00	689.00
628.00	632.00	636.00	640.00	639.00	642.00	645.00	651.00	654.00	656.00	658.00	659.00	661.00	663.00	665.00	667.00	669.00
4.10	4.00	3.90	3.60	4.00	3.90	3.70	2.90	3.00	3.10	3.10	3.10	3.10	3.00	3.00	3.00	3.00
69.80	69.80	69.90	69.90	69.90	69.80	69.70	69.70	69.70	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80
485.40	489.20	493.00	496.60	500.00	503.40	506.60	509.80	512.60	515.30	517.80	520.20	522.40	524.40	526.40	528.30	530.10
29393.10	30172.70	30960.60	31907.80	32325.10	32916.30	33508.20	34067.80	34625.10	35185.40	35743.50	36256.70	36896.20	37498.00	38084.40	38679.40	39295.80
67.00	68.30	69.70	71.20	72.50	73.60	74.70	76.00	77.10	78.30	79.50	80.70	82.00	83.10	84.10	85.20	86.40

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
155.40	157.50	159.20	161.60	164.00	166.60	169.60	172.90	176.30	179.60	182.80	186.60	189.20	192.30	195.40	198.10	200.70
40474.00	41452.00	42420.00	43185.00	44077.00	44796.00	45680.00	46713.00	47388.00	48014.00	48665.00	49459.00	50382.00	51164.00	51873.00	52620.00	53466.00
11897.00	12216.00	12541.00	12788.00	13124.00	13355.00	13667.00	14122.00	14342.00	14536.00	14748.00	15037.00	15378.00	15652.00	15873.00	16102.00	16385.00
28577.00	29236.00	29879.00	30397.00	30953.00	31441.00	32013.00	32591.00	33046.00	33478.00	33917.00	34422.00	35004.00	35513.00	36000.00	36519.00	37080.00
1212.00	1217.00	1221.00	1226.00	1231.00	1236.00	1241.00	1245.00	1250.00	1255.00	1259.00	1264.00	1268.00	1272.00	1276.00	1280.00	1283.00
640.00	642.00	644.00	645.00	646.00	646.00	648.00	649.00	650.00	652.00	652.00	653.00	654.00	654.00	655.00	655.00	657.00
614.00	618.00	622.00	625.00	628.00	629.00	632.00	636.00	638.00	638.00	639.00	639.00	641.00	642.00	644.00	645.00	646.00
4.00	3.70	3.50	3.20	2.80	2.60	2.40	1.90	1.90	2.10	2.10	2.00	1.90	1.80	1.70	1.70	1.60
68.20	68.10	68.10	68.00	67.70	67.50	67.40	67.30	67.20	67.10	66.90	66.80	66.60	66.50	66.30	66.10	66.10
485.40	489.20	493.00	496.60	500.10	503.60	507.00	510.30	513.30	516.20	518.90	521.60	524.10	526.50	528.80	531.10	533.30
27914.00	28639.10	29314.20	29964.90	30424.20	30837.10	31365.60	31769.20	32186.70	32564.10	32920.20	33381.80	34033.70	34621.40	35194.50	35818.70	36517.40
65.90	67.10	68.20	69.10	70.20	71.20	72.30	73.40	74.30	75.20	76.20	77.40	78.60	79.60	80.60	81.60	82.70

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
156.30	158.70	161.00	163.50	166.00	168.60	171.30	174.00	176.60	179.10	181.70	184.60	187.10	189.80	192.90	196.00	198.90
39680.00	40301.00	40941.00	41257.00	41988.00	42610.00	43305.00	44372.00	44854.00	45346.00	45874.00	46413.00	47043.00	47620.00	48145.00	48708.00	49357.00
11588.00	11788.00	11968.00	11854.00	12121.00	12310.00	12528.00	13008.00	13090.00	13165.00	13275.00	13412.00	13575.00	13705.00	13806.00	13932.00	14093.00
28092.00	28514.00	28973.00	29403.00	29867.00	30300.00	30777.00	31364.00	31764.00	32181.00	32599.00	33001.00	33468.00	33914.00	34339.00	34776.00	35263.00
1215.00	1220.00	1224.00	1229.00	1234.00	1238.00	1243.00	1247.00	1251.00	1255.00	1259.00	1262.00	1265.00	1268.00	1271.00	1273.00	1275.00
639.00	641.00	643.00	643.00	643.00	645.00	646.00	647.00	648.00	651.00	653.00	655.00	656.00	658.00	660.00	661.00	664.00
617.00	619.00	622.00	619.00	622.00	624.00	627.00	633.00	633.00	634.00	635.00	637.00	639.00	641.00	642.00	644.00	647.00
3.40	3.30	3.20	3.80	3.20	3.20	3.00	2.20	2.30	2.60	2.70	2.70	2.70	2.60	2.60	2.60	2.50
68.10	67.90	67.80	67.60	67.40	67.30	67.30	67.10	67.10	67.10	67.10	67.10	67.10	67.10	67.10	67.20	67.20
486.50	490.50	494.30	498.00	501.50	505.00	508.30	511.50	514.40	517.00	519.50	521.90	524.10	526.10	528.00	529.90	531.60
27778.70	28321.10	28941.20	29260.90	29902.10	30468.40	31044.80	31913.40	32447.80	32960.30	33446.40	33896.90	34483.60	35033.60	35519.80	35987.60	36438.80
64.30	65.10	65.80	66.70	67.50	68.30	69.10	70.10	70.80	71.50	72.20	72.90	73.60	74.30	74.90	75.60	76.30

Table A1.5: Economic Indicators, New Brunswick

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.20	114.50	117.30	120.70	122.90	126.10	128.20	129.70	131.50	133.20	134.30	136.30	138.10	140.70
Total GDP (million $1997)	17636.00	17868.00	18432.00	18331.00	18981.00	19059.00	19554.00	19876.00	20154.00	20584.00	21129.00	21553.00	22030.00	22372.00
Goods GDP	5630.00	5481.00	5554.00	5658.00	6101.00	5650.00	5735.00	5786.00	5873.00	5984.00	6188.00	6322.00	6468.00	6565.00
Services GDP	12006.00	12387.00	12878.00	12673.00	12880.00	13410.00	13819.00	14089.00	14281.00	14600.00	14941.00	15231.00	15562.00	15807.00
Population (thousand)	528.00	522.00	519.20	517.90	516.30	514.60	514.60	514.50	514.30	514.00	513.50	513.00	512.40	511.60
Labour Force (thousand)	237.80	242.70	248.50	254.10	254.30	252.50	253.80	252.30	250.70	251.30	250.30	248.50	246.60	245.10
Employment (thousand)	198.00	203.80	207.20	212.30	214.30	214.10	216.60	218.10	223.30	220.70	216.90	214.20	214.00	218.50
Unemployment Rate (percent)	16.70	16.10	16.70	16.50	15.70	15.20	14.70	13.60	10.90	12.20	13.30	13.80	13.20	10.80
Participation Rate (percent)	55.40	56.80	58.20	59.30	59.10	58.80	58.80	58.30	57.90	58.00	57.70	57.20	56.80	56.50
Households (thousand)	284.80	290.40	292.90	294.40	298.40	302.50	304.70	306.60	308.50	310.20	311.90	313.50	314.80	316.00
Personal Disposable Income (millions $1997)	13011.90	13200.70	13014.60	13315.20	13510.10	13668.60	14087.40	14476.70	14785.30	15102.40	15630.70	15959.20	16341.80	16617.60
Output (GDP) per employee (thousand $1997)	53.20	54.10	53.70	53.40	54.20	54.40	55.00	56.00	56.90	58.10	59.40	60.40	61.60	62.50

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	112.80	114.70	118.60	122.60	124.40	127.40	130.40	131.90	135.50	139.00	142.20	143.90	145.80	147.70
Total GDP (million $1997)	17636.00	17868.00	18432.00	18331.00	18981.00	19059.00	19554.00	19876.00	19928.00	20220.00	20753.00	21154.00	21470.00	21817.00
Goods GDP	5630.00	5481.00	5554.00	5658.00	6101.00	5650.00	5735.00	5786.00	5800.00	5897.00	6139.00	6278.00	6352.00	6461.00
Services GDP	12006.00	12387.00	12878.00	12673.00	12880.00	13410.00	13819.00	14089.00	14128.00	14323.00	14614.00	14876.00	15119.00	15356.00
Population (thousand)	751.00	750.00	750.00	750.00	751.00	750.00	750.00	750.00	749.00	749.00	748.00	748.00	747.00	746.00
Labour Force (thousand)	368.00	372.00	382.00	382.00	388.00	388.00	396.00	393.00	390.00	388.00	387.00	386.00	384.00	382.00
Employment (thousand)	331.00	330.00	343.00	343.00	350.00	351.00	355.00	355.00	354.00	352.00	353.00	355.00	353.00	353.00
Unemployment Rate (percent)	10.00	11.10	10.20	10.30	9.80	9.70	10.30	9.70	9.40	9.40	8.70	8.10	7.90	7.70
Participation Rate (percent)	61.50	61.90	63.40	63.20	63.90	63.60	64.60	63.90	63.30	62.80	62.50	62.10	61.80	61.40
Households (thousand)	284.80	290.40	292.90	294.40	298.40	302.50	304.70	306.70	308.60	310.40	312.10	313.70	315.10	316.30
Personal Disposable Income (millions $1997)	13011.90	13200.70	13014.60	13315.20	13510.10	13668.60	14087.40	14476.70	14619.20	14706.70	15155.60	15484.10	15775.20	16045.70
Output (GDP) per employee (thousand $1997)	53.20	54.10	53.70	53.40	54.20	54.40	55.00	56.00	56.40	57.40	58.70	59.60	60.70	61.90

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	112.80	114.70	118.60	122.60	124.40	127.40	130.40	131.90	136.10	139.20	141.90	143.80	145.90	148.40
Total GDP (million $1997)	17636.00	17868.00	18432.00	18331.00	18981.00	19059.00	19554.00	19876.00	19916.00	19982.00	20288.00	20661.00	21081.00	21439.00
Goods GDP	5630.00	5481.00	5554.00	5658.00	6101.00	5650.00	5735.00	5786.00	5797.00	5721.00	5822.00	5943.00	6082.00	6210.00
Services GDP	12006.00	12387.00	12878.00	12673.00	12880.00	13410.00	13819.00	14089.00	14119.00	14261.00	14466.00	14718.00	15000.00	15229.00
Population (thousand)	751.00	750.00	750.00	750.00	751.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	749.00
Labour Force (thousand)	368.00	372.00	382.00	382.00	388.00	388.00	396.00	393.00	391.00	389.00	386.00	385.00	384.00	383.00
Employment (thousand)	331.00	330.00	343.00	343.00	350.00	351.00	355.00	355.00	353.00	351.00	351.00	351.00	352.00	353.00
Unemployment Rate (percent)	10.00	11.10	10.20	10.30	9.80	9.70	10.30	9.70	9.60	9.70	9.20	8.70	8.30	7.90
Participation Rate (percent)	61.50	61.90	63.40	63.20	63.90	63.60	64.60	63.90	63.30	62.70	62.20	61.80	61.60	61.30
Households (thousand)	284.80	290.40	292.90	294.40	298.40	302.50	304.70	306.60	308.60	310.60	312.40	314.10	315.70	317.10
Personal Disposable Income (millions $1997)	13011.90	13200.70	13014.60	13315.20	13510.10	13668.60	14087.40	14476.70	14509.60	14639.40	14901.60	15196.40	15535.20	15829.30
Output (GDP) per employee (thousand $1997)	53.20	54.10	53.70	53.40	54.20	54.40	55.00	56.00	56.40	56.90	57.80	58.80	59.90	60.80

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
143 40	145 00	146 50	148 30	150 60	152 90	155 20	157 80	160 30	162 80	165 30	168 00	170 50	173 50	176 60	179 70	182 70
22712 00	23246 00	23838 00	24393 00	24768 00	25141 00	25527 00	25891 00	26307 00	26729 00	27185 00	27598 00	28070 00	28481 00	28834 00	29191 00	29572 00
6657 00	6848 00	7065 00	7275 00	7379 00	7481 00	7590 00	7688 00	7829 00	7980 00	8163 00	8329 00	8521 00	8678 00	8805 00	8935 00	9085 00
16055 00	16398 00	16773 00	17118 00	17389 00	17660 00	17938 00	18203 00	18478 00	18750 00	19021 00	19269 00	19549 00	19803 00	20029 00	20256 00	20487 00
510 70	509 70	508 60	507 30	505 90	504 30	502 60	500 70	498 60	496 40	494 00	491 40	488 70	485 80	482 60	479 30	475 90
244 20	243 90	242 80	241 80	239 30	236 80	234 30	231 80	229 50	227 30	224 90	222 40	221 00	219 90	218 80	217 80	216 70
223 70	222 80	224 50	219 50	217 20	213 90	211 00	208 60	206 60	205 00	203 20	201 40	200 20	199 20	198 40	197 00	196 00
8 40	8 70	7 50	9 20	9 20	9 70	9 90	10 00	10 00	9 80	9 60	9 40	9 40	9 40	9 30	9 50	9 60
56 30	56 30	56 20	56 10	55 70	55 30	54 80	54 40	54 10	53 80	53 50	53 10	53 10	53 10	53 20	53 30	53 30
317 10	318 20	319 20	319 90	320 50	320 90	321 20	321 30	321 20	320 80	320 30	319 70	318 80	317 90	316 70	315 50	314 10
16883 80	17293 50	17702 00	18081 20	18406 60	18702 00	19005 30	19302 70	19609 60	19912 50	20216 00	20496 20	20857 20	21193 80	21514 40	21829 90	22153 40
63 50	64 90	66 40	67 90	69 10	70 30	71 50	72 60	73 90	75 20	76 50	77 90	79 30	80 50	81 60	82 80	84 00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
150 10	151 90	153 30	155 50	157 50	159 80	162 40	165 30	168 30	171 30	174 20	177 50	179 80	182 60	185 40	187 90	190 20
22147 00	22632 00	23131 00	23462 00	23735 00	24035 00	24457 00	24821 00	25148 00	25430 00	25776 00	26145 00	26624 00	27010 00	27341 00	27690 00	28115 00
6563 00	6726 00	6898 00	6982 00	7030 00	7108 00	7254 00	7381 00	7496 00	7588 00	7727 00	7875 00	8080 00	8232 00	8348 00	8468 00	8639 00
15584 00	15906 00	16233 00	16480 00	16705 00	16927 00	17203 00	17440 00	17652 00	17842 00	18049 00	18269 00	18544 00	18778 00	18994 00	19223 00	19476 00
745 00	744 00	743 00	741 00	740 00	738 00	736 00	734 00	731 00	729 00	726 00	723 00	719 00	716 00	712 00	708 00	704 00
380 00	378 00	377 00	375 00	372 00	369 00	367 00	364 00	362 00	359 00	356 00	353 00	351 00	349 00	347 00	345 00	343 00
352 00	352 00	352 00	351 00	349 00	347 00	347 00	346 00	345 00	343 00	341 00	340 00	339 00	338 00	337 00	336 00	335 00
7 40	7 00	6 60	6 40	6 20	5 90	5 60	5 20	4 80	4 50	4 10	3 70	3 40	3 10	2 90	2 70	2 40
61 10	60 90	60 70	60 40	60 10	59 80	59 50	59 30	59 00	58 80	58 50	58 20	58 10	58 00	58 00	57 90	57 90
317 40	318 60	319 60	320 40	321 00	321 50	321 80	322 00	321 90	321 60	321 10	320 50	319 70	318 70	317 60	316 40	315 00
16285 20	16703 50	17089 30	17368 30	17609 70	17833 00	18142 30	18392 20	18659 70	18888 30	19118 10	19404 90	19800 80	20159 80	20501 40	20875 10	21286 70
63 00	64 30	65 70	66 80	68 00	69 20	70 60	71 80	73 00	74 20	75 50	76 90	78 50	79 80	81 10	82 50	83 90

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
151 40	153 60	155 60	157 80	160 10	162 40	164 80	167 20	169 50	171 80	174 10	176 70	178 90	181 40	184 10	186 90	189 40
21692 00	22033 00	22382 00	22706 00	22980 00	23307 00	23664 00	23944 00	24191 00	24451 00	24799 00	25105 00	25461 00	25775 00	26062 00	26310 00	26625 00
6283 00	6403 00	6504 00	6604 00	6666 00	6762 00	6870 00	6920 00	6950 00	6992 00	7104 00	7196 00	7310 00	7394 00	7457 00	7506 00	7585 00
15409 00	15630 00	15877 00	16101 00	16314 00	16544 00	16794 00	17025 00	17240 00	17459 00	17695 00	17909 00	18151 00	18381 00	18606 00	18804 00	19040 00
749 00	748 00	747 00	747 00	745 00	744 00	743 00	741 00	739 00	737 00	735 00	732 00	730 00	727 00	723 00	720 00	716 00
381 00	380 00	379 00	377 00	375 00	373 00	372 00	370 00	368 00	366 00	364 00	362 00	362 00	361 00	360 00	360 00	359 00
352 00	352 00	352 00	352 00	351 00	351 00	350 00	349 00	347 00	346 00	346 00	345 00	345 00	345 00	345 00	344 00	344 00
7 60	7 30	7 00	6 70	6 40	6 10	5 80	5 60	5 50	5 40	5 00	4 70	4 50	4 30	4 20	4 20	4 20
61 10	60 80	60 60	60 40	60 20	60 00	59 80	59 50	59 40	59 20	59 10	59 00	59 10	59 20	59 30	59 40	59 60
318 40	319 60	320 80	321 70	322 50	323 10	323 60	323 90	324 00	323 80	323 50	323 10	322 50	321 70	320 80	319 80	318 70
16081 70	16409 10	16772 60	17101 70	17408 10	17734 00	18062 80	18398 60	18710 50	19020 10	19354 40	19640 00	20005 10	20335 30	20624 50	20903 90	21179 10
61 50	62 50	63 50	64 50	65 40	66 50	67 60	68 60	69 60	70 70	71 70	72 70	73 70	74 60	75 50	76 40	77 40

Table A1.6: Economic Indicators, Newfoundland and Labrador

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.20	114.50	117.30	120.70	122.90	126.10	128.20	129.70	131.50	133.20	134.30	136.30	138.10	140.70
Total GDP (million $1997)	11256.00	11428.00	12655.00	12945.00	13132.00	13020.00	13816.00	14241.00	14755.00	14663.00	14434.00	14221.00	14442.00	15255.00
Goods GDP	3713.00	3640.00	4541.00	4663.00	4932.00	4836.00	5368.00	5555.00	5939.00	5761.00	5501.00	5253.00	5296.00	5771.00
Services GDP	7543.00	7788.00	8114.00	8281.00	8200.00	8185.00	8448.00	8686.00	8816.00	8902.00	8933.00	8968.00	9146.00	9484.00
Population (thousand)	528.00	522.00	519.00	518.00	516.00	515.00	515.00	515.00	514.00	514.00	514.00	513.00	512.00	512.00
Labour Force (thousand)	238.00	243.00	249.00	254.00	254.00	253.00	254.00	252.00	251.00	251.00	250.00	249.00	247.00	245.00
Employment (thousand)	198.00	204.00	207.00	212.00	214.00	214.00	217.00	218.00	223.00	221.00	217.00	214.00	214.00	218.00
Unemployment Rate (percent)	16.70	16.10	16.70	16.50	15.70	15.20	14.70	13.60	10.90	12.20	13.30	13.80	13.20	10.80
Participation Rate (percent)	55.40	56.80	58.20	59.30	59.10	58.80	58.80	58.30	57.90	58.00	57.70	57.20	56.80	56.50
Households (thousand)	191.50	194.10	193.40	198.30	199.00	202.30	204.10	205.70	207.20	208.60	209.90	211.10	212.10	212.90
Personal Disposable Income (millions $1997)	8351.60	8613.90	8637.30	8972.70	9146.10	9248.80	9902.80	10347.40	10889.70	10900.60	10848.00	10819.20	11015.50	11515.30
Output (GDP) per employee (thousand $1997)	56.80	56.10	61.10	61.00	61.30	60.80	63.80	65.30	66.10	66.40	66.60	66.40	67.50	69.80

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.20	114.50	117.30	120.70	122.90	126.10	128.20	129.70	133.40	136.90	140.00	141.60	143.50	145.30
Total GDP (million $1997)	11256.00	11428.00	12655.00	12945.00	13132.00	13020.00	13816.00	14241.00	14313.00	14170.00	13750.00	13555.00	13630.00	14397.00
Goods GDP	3713.00	3640.00	4541.00	4663.00	4932.00	4836.00	5368.00	5555.00	5583.00	5421.00	5062.00	4844.00	4806.00	5253.00
Services GDP	7543.00	7788.00	8114.00	8281.00	8200.00	8185.00	8448.00	8686.00	8730.00	8748.00	8687.00	8711.00	8824.00	9144.00
Population (thousand)	528.00	522.00	519.00	518.00	516.00	515.00	515.00	515.00	514.00	512.00	511.00	510.00	508.00	507.00
Labour Force (thousand)	238.00	243.00	249.00	254.00	254.00	253.00	254.00	252.00	251.00	249.00	247.00	244.00	241.00	238.00
Employment (thousand)	198.00	204.00	207.00	212.00	214.00	214.00	217.00	218.00	218.00	214.00	209.00	206.00	205.00	208.00
Unemployment Rate (percent)	16.70	16.10	16.70	16.50	15.70	15.20	14.70	13.60	13.10	13.90	15.50	15.60	15.10	12.70
Participation Rate (percent)	55.40	56.80	58.20	59.30	59.10	58.80	58.80	58.30	57.80	57.40	56.90	56.30	55.60	55.10
Households (thousand)	191.50	194.10	193.40	198.30	198.90	202.10	203.90	205.50	206.80	207.90	209.00	210.00	210.80	211.40
Personal Disposable Income (millions $1997)	8351.60	8613.90	8637.30	8972.70	9146.10	9248.80	9902.80	10347.40	10464.90	10328.80	10117.50	10053.70	10129.40	10573.30
Output (GDP) per employee (thousand $1997)	56.80	56.10	61.10	61.00	61.30	60.80	63.80	65.30	65.70	66.10	65.80	65.80	66.60	69.20

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.20	114.50	117.30	120.70	122.90	126.10	128.20	129.70	134.00	137.10	138.80	141.70	143.70	146.20
Total GDP (million $1997)	11256.00	11428.00	12655.00	12945.00	13132.00	13020.00	13816.00	14241.00	14781.00	14813.00	14940.00	14748.00	15222.00	15966.00
Goods GDP	3713.00	3640.00	4541.00	4663.00	4932.00	4836.00	5368.00	5555.00	6009.00	5950.00	5965.00	5734.00	6052.00	6493.00
Services GDP	7543.00	7788.00	8114.00	8281.00	8200.00	8185.00	8448.00	8686.00	8772.00	8863.00	8975.00	9014.00	9169.00	9473.00
Population (thousand)	528.00	522.00	519.00	518.00	516.00	515.00	515.00	515.00	515.00	516.00	517.00	517.00	517.00	518.00
Labour Force (thousand)	238.00	243.00	249.00	254.00	254.00	253.00	254.00	252.00	251.00	252.00	251.00	249.00	248.00	248.00
Employment (thousand)	198.00	204.00	207.00	212.00	214.00	214.00	217.00	218.00	224.00	223.00	223.00	220.00	224.00	228.00
Unemployment Rate (percent)	16.70	16.10	16.70	16.50	15.70	15.20	14.70	13.60	10.80	11.20	11.10	11.90	9.50	7.80
Participation Rate (percent)	55.40	56.80	58.20	59.30	59.10	58.80	58.80	58.30	57.80	57.70	57.20	56.80	56.30	56.20
Households (thousand)	191.50	194.10	193.40	198.30	199.00	202.30	204.10	205.70	207.60	209.30	210.90	212.40	213.80	215.00
Personal Disposable Income (millions $1997)	8351.60	8613.90	8637.30	8972.70	9146.10	9248.80	9902.80	10347.40	10788.90	10886.20	11042.50	10989.60	11409.80	11913.80
Output (GDP) per employee (thousand $1997)	56.80	56.10	61.10	61.00	61.30	60.80	63.80	65.30	65.90	66.30	67.00	67.10	67.80	69.90

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
143.40	145.00	146.50	148.30	150.60	152.90	155.20	157.80	160.30	162.80	165.30	168.00	170.50	173.50	176.60	179.70	182.70
15875.00	16402.00	16997.00	16932.00	16830.00	16608.00	16409.00	16261.00	16190.00	16206.00	16191.00	16182.00	16251.00	16328.00	16409.00	16438.00	16522.00
6202.00	6382.00	6685.00	6448.00	6287.00	6043.00	5816.00	5630.00	5602.00	5436.00	5358.00	5290.00	5275.00	5269.00	5269.00	5236.00	5242.00
9673.00	10020.00	10311.00	10484.00	10543.00	10565.00	10594.00	10630.00	10688.00	10769.00	10833.00	10892.00	10976.00	11059.00	11139.00	11201.00	11280.00
511.00	510.00	509.00	507.00	506.00	504.00	503.00	501.00	499.00	496.00	494.00	491.00	489.00	486.00	483.00	479.00	476.00
244.00	244.00	243.00	242.00	239.00	237.00	234.00	232.00	230.00	227.00	225.00	222.00	221.00	220.00	219.00	218.00	217.00
224.00	223.00	224.00	220.00	217.00	214.00	211.00	209.00	207.00	205.00	203.00	201.00	200.00	199.00	198.00	197.00	196.00
8.40	8.70	7.50	9.20	9.20	9.70	9.90	10.00	10.00	9.80	9.60	9.40	9.40	9.40	9.30	9.50	9.60
56.30	56.30	56.20	56.10	55.70	55.30	54.80	54.40	54.10	53.80	53.50	53.10	53.10	53.10	53.20	53.30	53.30
213.70	214.40	215.00	215.40	215.70	215.90	215.90	215.80	215.60	215.10	214.60	213.90	213.20	212.30	211.30	210.20	209.00
11983.10	12242.10	12664.90	12587.30	12624.90	12577.30	12534.40	12519.20	12533.70	12586.60	12624.90	12651.00	12756.60	12864.30	12962.80	13070.00	13187.00
71.00	73.60	75.70	77.10	77.50	77.60	77.80	78.00	78.40	79.10	79.70	80.30	81.20	82.00	82.70	83.40	84.30

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
147.60	149.30	150.70	152.80	154.70	156.90	159.40	162.30	165.20	168.10	171.00	174.10	176.40	179.20	182.00	184.40	186.70
14762.00	14886.00	14940.00	15015.00	14931.00	14886.00	14869.00	14856.00	14856.00	14912.00	14940.00	14979.00	15099.00	15194.00	15279.00	15305.00	15402.00
5432.00	5401.00	5369.00	5339.00	5202.00	5102.00	5017.00	4948.00	4890.00	4876.00	4846.00	4824.00	4855.00	4875.00	4888.00	4858.00	4877.00
9330.00	9485.00	9571.00	9677.00	9729.00	9783.00	9852.00	9908.00	9966.00	10036.00	10094.00	10154.00	10244.00	10319.00	10391.00	10447.00	10524.00
505.00	504.00	502.00	500.00	497.00	495.00	492.00	490.00	487.00	484.00	481.00	477.00	474.00	470.00	466.00	462.00	457.00
236.00	234.00	232.00	229.00	226.00	223.00	220.00	217.00	214.00	210.00	207.00	204.00	202.00	200.00	197.00	196.00	194.00
209.00	208.00	206.00	204.00	202.00	199.00	197.00	196.00	194.00	192.00	191.00	189.00	187.00	186.00	185.00	183.00	182.00
11.70	11.20	11.40	10.90	10.80	10.50	10.20	9.70	9.20	8.50	8.00	7.40	7.00	6.70	6.30	6.20	5.90
54.80	54.50	54.20	53.70	53.20	52.60	52.20	51.70	51.20	50.70	50.20	49.80	49.60	49.50	49.30	49.20	49.20
211.90	212.40	212.80	213.00	213.00	212.90	212.70	212.40	211.80	211.10	210.30	209.30	208.20	207.00	205.70	204.30	202.70
10794.90	10886.00	11053.20	11064.50	11070.80	11020.20	11019.20	11052.10	11080.90	11087.10	11089.00	11152.90	11293.30	11414.90	11536.70	11636.90	11778.20
70.80	72.00	72.60	73.50	74.00	74.60	75.30	75.90	76.60	77.50	78.40	79.40	80.50	81.60	82.60	83.50	84.60

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
149.20	151.30	153.30	155.50	157.70	160.00	162.40	164.70	167.00	169.30	171.60	174.10	176.30	178.70	181.40	184.10	186.70
16405.00	17635.00	17926.00	19188.00	18952.00	18686.00	18804.00	18098.00	17570.00	17050.00	16491.00	16085.00	15736.00	15427.00	15140.00	14909.00	14752.00
6770.00	7359.00	7560.00	8390.00	8187.00	7989.00	8054.00	7441.00	7048.00	6667.00	6269.00	5992.00	5752.00	5643.00	5352.00	5201.00	5098.00
9634.00	10276.00	10366.00	10799.00	10765.00	10697.00	10750.00	10657.00	10521.00	10382.00	10222.00	10093.00	9984.00	9885.00	9788.00	9708.00	9653.00
518.00	518.00	518.00	518.00	517.00	517.00	516.00	515.00	514.00	513.00	512.00	511.00	509.00	507.00	505.00	503.00	501.00
247.00	247.00	246.00	246.00	249.00	246.00	244.00	244.00	239.00	237.00	235.00	232.00	231.00	230.00	230.00	229.00	229.00
231.00	232.00	235.00	242.00	241.00	239.00	241.00	234.00	231.00	228.00	225.00	223.00	221.00	220.00	219.00	218.00	218.00
6.70	5.80	4.40	1.50	3.10	2.50	1.50	4.20	3.50	3.80	4.10	4.00	4.30	4.50	4.00	4.70	4.60
56.00	55.80	55.70	55.60	56.30	55.60	55.40	55.40	54.40	54.00	53.50	53.10	53.00	53.00	53.00	53.00	53.20
216.20	217.30	218.30	219.10	219.80	220.40	220.80	221.20	221.30	221.30	221.20	221.00	220.70	220.20	219.70	219.00	218.30
12288.10	12954.30	13318.00	14184.10	14109.30	13998.10	14120.00	13726.50	13500.00	13244.30	12942.70	12723.20	12578.50	12454.40	12326.50	12223.40	12141.70
71.40	75.90	76.20	79.20	78.70	78.00	78.30	77.30	76.00	74.80	73.30	72.30	71.10	70.10	69.10	68.30	67.60

Table A1.7: Economic Indicators, Nova Scotia

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	114.30	116.30	119.80	123.90	126.10	129.60	132.40	134.00	135.90	137.60	138.80	140.90	142.90	145.60
Total GDP (million $1997)	20968.00	21683.00	22535.00	22665.00	23405.00	23668.00	24187.00	24668.00	25332.00	25724.00	26410.00	26649.00	27186.00	27414.00
Goods GDP	5074.00	5439.00	5659.00	5579.00	5836.00	5781.00	5872.00	5949.00	6326.00	6285.00	6536.00	6436.00	6553.00	6480.00
Services GDP	15894.00	16244.00	16876.00	17086.00	17569.00	17887.00	18315.00	18718.00	19006.00	19438.00	19874.00	20213.00	20633.00	20934.00
Population (thousand)	934.00	932.00	934.00	936.00	937.00	937.00	937.00	937.00	937.00	937.00	936.00	936.00	935.00	935.00
Labour Force (thousand)	453.00	460.00	468.00	475.00	485.00	484.00	485.00	483.00	482.00	484.00	484.00	485.00	484.00	483.00
Employment (thousand)	411.00	415.00	423.00	431.00	442.00	443.00	447.00	448.00	452.00	450.00	453.00	450.00	451.00	448.00
Unemployment Rate (percent)	9.10	9.70	9.60	9.10	8.80	8.40	7.70	7.30	6.20	6.90	6.60	7.10	6.80	7.20
Participation Rate (percent)	61.30	61.90	62.60	63.10	64.10	63.60	63.40	62.90	62.70	62.60	62.50	62.40	62.20	62.10
Households (thousand)	364.00	367.60	372.20	374.20	373.40	383.10	386.00	388.80	391.50	394.00	396.50	398.90	401.10	403.00
Personal Disposable Income (millions $1997)	16549.80	16802.40	16830.70	17162.70	17414.60	17630.90	18146.50	18704.90	19362.90	19679.70	20325.80	20656.60	21017.20	21201.00
Output (GDP) per employee (thousand $1997)	51.00	52.20	53.30	52.60	52.90	53.40	54.10	55.10	56.00	57.10	58.40	59.20	60.30	61.20

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	114.30	116.30	119.80	123.90	126.10	129.60	132.40	134.00	138.00	141.60	144.90	146.50	148.40	150.30
Total GDP (million $1997)	20968.00	21683.00	22535.00	22665.00	23405.00	23668.00	24187.00	24668.00	24743.00	25088.00	25561.00	25912.00	26301.00	26666.00
Goods GDP	5074.00	5439.00	5659.00	5579.00	5836.00	5781.00	5872.00	5949.00	5954.00	6031.00	6174.00	6210.00	6271.00	6338.00
Services GDP	15894.00	16244.00	16876.00	17086.00	17569.00	17887.00	18315.00	18718.00	18789.00	19057.00	19388.00	19702.00	20030.00	20328.00
Population (thousand)	934.00	932.00	934.00	936.00	937.00	937.00	937.00	937.00	937.00	937.00	936.00	935.00	935.00	934.00
Labour Force (thousand)	453.00	460.00	468.00	475.00	485.00	484.00	485.00	483.00	481.00	480.00	479.00	478.00	475.00	473.00
Employment (thousand)	411.00	415.00	423.00	431.00	442.00	443.00	447.00	448.00	446.00	444.00	443.00	443.00	442.00	440.00
Unemployment Rate (percent)	9.10	9.70	9.60	9.10	8.80	8.40	7.70	7.30	7.30	7.50	7.60	7.30	7.10	6.90
Participation Rate (percent)	61.30	61.90	62.60	63.10	64.10	63.60	63.40	62.90	62.40	62.00	61.80	61.50	61.00	60.70
Households (thousand)	364.00	367.60	372.20	374.20	373.30	383.00	385.90	388.60	391.20	393.60	396.00	398.30	400.40	402.30
Personal Disposable Income (millions $1997)	16549.80	16802.40	16830.70	17162.70	17414.60	17630.90	18146.50	18704.90	18823.10	18956.30	19378.00	19755.10	20137.60	20465.00
Output (GDP) per employee (thousand $1997)	52.20	53.30	52.60	52.90	53.40	54.10	55.10	55.50	56.50	57.70	58.50	59.50	60.60	61.60

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	114.30	116.30	119.80	123.90	126.10	129.60	132.40	134.00	138.50	141.80	144.60	146.60	148.70	151.30
Total GDP (million $1997)	20968.00	21683.00	22535.00	22665.00	23405.00	23668.00	24187.00	24668.00	25088.00	25232.00	25685.00	25723.00	26150.00	26559.00
Goods GDP	5074.00	5439.00	5659.00	5579.00	5836.00	5781.00	5872.00	5949.00	6269.00	6138.00	6214.00	6041.00	6108.00	6227.00
Services GDP	15894.00	16244.00	16876.00	17086.00	17569.00	17887.00	18315.00	18718.00	18819.00	19094.00	19471.00	19682.00	20042.00	20331.00
Population (thousand)	934.00	932.00	934.00	936.00	937.00	937.00	937.00	937.00	939.00	940.00	941.00	942.00	943.00	944.00
Labour Force (thousand)	453.00	460.00	468.00	475.00	485.00	484.00	485.00	483.00	482.00	481.00	481.00	480.00	479.00	479.00
Employment (thousand)	411.00	415.00	423.00	431.00	442.00	443.00	447.00	448.00	452.00	449.00	448.00	444.00	444.00	445.00
Unemployment Rate (percent)	9.10	9.70	9.60	9.10	8.80	8.40	7.70	7.30	6.20	6.80	6.70	7.50	7.40	7.00
Participation Rate (percent)	61.30	61.90	62.60	63.10	64.10	63.60	63.40	62.90	62.40	62.00	61.60	61.30	61.00	60.70
Households (thousand)	364.00	367.60	372.20	374.20	373.40	383.10	386.00	388.80	392.00	395.10	398.10	401.10	403.80	406.30
Personal Disposable Income (millions $1997)	16549.80	16802.40	16830.70	17162.70	17414.60	17630.90	18146.50	18704.90	19037.60	19211.00	19555.30	19712.90	20083.80	20471.20
Output (GDP) per employee (thousand $1997)	51.00	52.20	53.30	52.60	52.90	53.40	54.10	55.10	55.50	56.20	57.30	58.00	58.90	59.70

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
148.40	150.00	151.60	153.50	155.90	158.30	160.80	163.50	166.10	168.70	171.40	174.30	176.90	180.00	183.40	186.70	189.90
27785.00	28384.00	29020.00	29652.00	30115.00	30576.00	31026.00	31455.00	31896.00	32348.00	32789.00	33235.00	33745.00	34210.00	34631.00	35057.00	35498.00
6533.00	6690.00	6859.00	7057.00	7164.00	7270.00	7365.00	7454.00	7546.00	7660.00	7786.00	7936.00	8110.00	8264.00	8397.00	8536.00	8689.00
21252.00	21696.00	22161.00	22595.00	22951.00	23306.00	23660.00	24001.00	24350.00	24689.00	25003.00	25299.00	25635.00	25946.00	26234.00	26521.00	26809.00
934.00	933.00	932.00	930.00	929.00	927.00	925.00	922.00	920.00	917.00	914.00	911.00	907.00	903.00	899.00	894.00	889.00
482.00	481.00	480.00	479.00	477.00	474.00	472.00	470.00	468.00	465.00	463.00	459.00	458.00	458.00	457.00	456.00	456.00
448.00	448.00	448.00	448.00	448.00	447.00	446.00	445.00	444.00	443.00	442.00	441.00	440.00	439.00	439.00	438.00	437.00
7.10	6.90	6.60	6.40	6.10	5.80	5.50	5.20	5.00	4.80	4.50	4.10	4.00	4.00	3.90	4.00	4.10
61.80	61.70	61.60	61.50	61.30	61.10	60.90	60.70	60.60	60.40	60.30	60.00	60.10	60.20	60.40	60.60	60.80
404.90	406.70	408.40	409.80	410.90	411.90	412.70	413.30	413.60	413.60	413.40	413.00	412.30	411.50	410.50	409.30	407.90
21507.80	21988.30	22479.30	22934.80	23327.10	23685.80	24026.30	24356.90	24663.40	24961.00	25267.10	25543.10	25923.20	26274.00	26613.70	26955.60	27302.20
62.10	63.40	64.80	66.20	67.30	68.40	69.50	70.60	71.80	73.00	74.20	75.40	76.70	77.80	78.90	80.00	81.20

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
152.70	154.50	155.90	158.10	160.10	162.50	165.10	168.20	171.30	174.30	177.40	180.70	183.10	186.00	188.90	191.50	193.90
27021.00	27570.00	28128.00	28523.00	28895.00	29271.00	29722.00	30103.00	30432.00	30730.00	31044.00	31437.00	31911.00	32316.00	32686.00	33068.00	33493.00
6408.00	6545.00	6683.00	6757.00	6819.00	6899.00	7012.00	7111.00	7181.00	7246.00	7336.00	7476.00	7651.00	7797.00	7920.00	8045.00	8200.00
20613.00	21025.00	21444.00	21766.00	22077.00	22372.00	22710.00	22992.00	23252.00	23484.00	23708.00	23960.00	24260.00	24519.00	24766.00	25024.00	25293.00
933.00	932.00	930.00	929.00	927.00	925.00	923.00	921.00	918.00	915.00	912.00	908.00	905.00	901.00	896.00	892.00	887.00
470.00	468.00	466.00	463.00	460.00	456.00	453.00	449.00	445.00	441.00	436.00	432.00	429.00	427.00	425.00	423.00	421.00
439.00	439.00	439.00	438.00	436.00	434.00	433.00	431.00	429.00	427.00	424.00	422.00	421.00	420.00	418.00	417.00	416.00
6.70	6.30	5.90	5.60	5.20	4.80	4.40	3.90	3.60	3.20	2.70	2.20	1.90	1.70	1.60	1.40	1.40
60.30	60.00	59.80	59.50	59.10	58.70	58.30	58.00	57.60	57.20	56.80	56.40	56.30	56.20	56.20	56.10	56.20
404.10	405.90	407.50	408.90	410.00	411.00	411.80	412.30	412.50	412.50	412.20	411.80	411.10	410.20	409.10	407.90	406.50
20752.40	21263.80	21721.30	22064.20	22359.50	22633.90	22966.70	23204.50	23450.10	23685.70	23892.30	24182.00	24587.00	24963.10	25341.60	25745.30	26173.70
62.80	64.10	65.20	66.30	67.40	68.70	69.80	70.90	72.00	73.10	74.40	75.80	77.00	78.10	79.30	80.60	97.40

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
154.40	156.70	158.80	161.10	163.40	165.90	168.40	170.80	173.20	175.60	178.00	180.70	183.00	185.50	188.40	191.20	193.90
26864.00	27313.00	27881.00	28271.00	28625.00	29021.00	29296.00	29666.00	30136.00	30441.00	30752.00	31061.00	31437.00	31798.00	32239.00	32592.00	32998.00
6289.00	6433.00	6652.00	6729.00	6783.00	6866.00	6773.00	6820.00	6974.00	6931.00	6948.00	6984.00	7045.00	7098.00	7217.00	7278.00	7366.00
20576.00	20880.00	21229.00	21542.00	21842.00	22155.00	22523.00	22846.00	23162.00	23510.00	23804.00	24076.00	24392.00	24699.00	25022.00	25313.00	25632.00
945.00	945.00	946.00	946.00	946.00	946.00	945.00	944.00	944.00	942.00	941.00	939.00	937.00	935.00	932.00	930.00	926.00
477.00	476.00	475.00	473.00	471.00	470.00	468.00	465.00	463.00	461.00	459.00	456.00	455.00	454.00	453.00	451.00	450.00
445.00	446.00	448.00	448.00	447.00	447.00	443.00	442.00	443.00	440.00	439.00	438.00	437.00	437.00	437.00	437.00	437.00
6.70	6.40	5.50	5.30	5.10	4.80	5.30	5.00	4.30	4.40	4.30	4.10	4.00	3.80	3.40	3.10	2.80
60.40	60.20	59.90	59.70	59.40	59.20	58.90	58.60	58.30	58.10	57.90	57.70	57.60	57.60	57.50	57.50	57.50
408.80	411.30	413.50	415.50	417.40	419.00	420.50	421.70	422.60	423.30	423.80	424.10	424.10	424.00	423.60	423.10	422.50
20803.30	21253.50	21843.40	22266.20	22677.20	23098.60	23358.50	23815.60	24344.70	24676.30	25012.70	25313.30	25728.90	26130.50	26552.80	26897.40	27229.30
60.30	61.30	62.20	63.10	64.00	64.90	66.20	67.10	68.00	69.20	70.10	70.90	71.90	72.80	73.70	74.60	75.50

Table A1.8: Economic Indicators, Ontario

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	114.20	117.70	120.10	123.30	125.60	128.40	132.20	133.40	135.90	137.90	139.30	141.80	144.00	147.10
Total GDP (million $1997)	396761.00	401597.00	416421.00	429299.00	443684.00	459032.00	471361.00	484107.00	499740.00	520232.00	538171.00	554629.00	571617.00	585619.00
Goods GDP	127443.00	123511.00	127807.00	130209.00	135696.00	140056.00	143364.00	146706.00	153485.00	161114.00	167546.00	173477.00	179223.00	184158.00
Services GDP	269319.00	278087.00	288614.00	299090.00	307989.00	318976.00	327996.00	337401.00	346254.00	359118.00	370626.00	381152.00	392394.00	401460.00
Population (thousand)	11685.00	11898.00	12099.00	12252.00	12410.00	12561.00	12713.00	12863.00	13000.00	13140.00	13282.00	13435.00	13588.00	13742.00
Labour Force (thousand)	6173.00	6327.00	6494.00	6676.00	6775.00	6849.00	6927.00	7017.00	7116.00	7233.00	7348.00	7458.00	7561.00	7662.00
Employment (thousand)	5817.00	5926.00	6031.00	6213.00	6316.00	6399.00	6490.00	6562.00	6651.00	6777.00	6873.00	6988.00	7086.00	7179.00
Unemployment Rate (percent)	5.80	6.30	7.10	6.90	6.80	6.60	6.30	6.50	6.50	6.30	6.50	6.30	6.30	6.30
Participation Rate (percent)	67.00	67.30	67.70	68.50	68.40	68.00	67.70	67.60	67.60	67.80	67.90	68.00	68.10	68.10
Households (thousand)	4351.40	4443.10	4492.00	4568.80	4606.40	4727.40	4808.80	4889.30	4965.70	5043.60	5122.20	5203.80	5283.90	5362.50
Personal Disposable Income (millions $1997)	250566.50	251648.60	255650.10	265089.10	270035.50	277088.30	285134.80	297008.50	305233.80	317244.80	328214.70	337873.00	347935.70	356635.90
Output (GDP) per employee (thousand $1997)	68.20	67.80	69.00	69.10	70.20	71.70	72.60	73.80	75.10	76.80	78.30	79.40	80.70	81.60

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	114.20	117.70	120.10	123.30	125.60	128.40	132.20	133.40	138.20	142.00	145.50	147.40	149.60	152.00
Total GDP (million $1997)	396761.00	401597.00	416421.00	429299.00	443684.00	459032.00	471361.00	484107.00	492963.00	509644.00	525694.00	540304.00	554161.00	568714.00
Goods GDP	127443.00	123511.00	127807.00	130209.00	135696.00	140056.00	143364.00	146706.00	151384.00	158728.00	165147.00	170282.00	174865.00	180021.00
Services GDP	269319.00	278087.00	288614.00	299090.00	307989.00	318976.00	327996.00	337401.00	341579.00	350916.00	360548.00	370021.00	379296.00	388692.00
Population (thousand)	11685.00	11898.00	12099.00	12252.00	12410.00	12561.00	12712.00	12862.00	13022.00	13182.00	13344.00	13512.00	13682.00	13853.00
Labour Force (thousand)	6173.00	6327.00	6494.00	6676.00	6775.00	6849.00	6927.00	7017.00	7107.00	7203.00	7315.00	7417.00	7497.00	7581.00
Employment (thousand)	5817.00	5926.00	6031.00	6213.00	6316.00	6399.00	6490.00	6562.00	6636.00	6727.00	6821.00	6927.00	6999.00	7072.00
Unemployment Rate (percent)	5.80	6.30	7.10	6.90	6.80	6.60	6.30	6.50	6.60	6.60	6.80	6.60	6.60	6.70
Participation Rate (percent)	67.00	67.30	67.70	68.50	68.40	68.00	67.70	67.60	67.40	67.30	67.40	67.30	67.10	66.90
Households (thousand)	4351.40	4443.10	4492.00	4568.80	4606.70	4727.70	4809.10	4889.50	4973.30	5057.80	5143.10	5230.00	5315.80	5400.60
Personal Disposable Income (millions $1997)	250566.50	251648.60	255650.10	265089.10	270035.50	277088.30	285134.80	297008.50	300624.80	308249.80	320788.80	332888.60	343378.00	353769.20
Output (GDP) per employee (thousand $1997)	68.20	67.80	69.00	69.10	70.20	71.70	72.60	73.80	74.30	75.80	77.10	78.00	79.20	80.40

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	114.20	117.70	120.10	123.30	125.60	128.40	132.20	133.40	138.50	141.80	144.70	146.80	149.20	152.20
Total GDP (million $1997)	396761.00	401597.00	416421.00	429299.00	443684.00	459032.00	471361.00	484107.00	492305.00	501050.00	507736.00	520037.00	532744.00	543479.00
Goods GDP	127443.00	123511.00	127807.00	130209.00	135696.00	140056.00	143364.00	146706.00	151200.00	153159.00	154005.00	157907.00	162126.00	165920.00
Services GDP	269319.00	278087.00	288614.00	299090.00	307989.00	318976.00	327996.00	337401.00	341105.00	347892.00	353731.00	362130.00	370618.00	377560.00
Population (thousand)	11685.00	11898.00	12099.00	12252.00	12410.00	12561.00	12713.00	12863.00	12990.00	13115.00	13237.00	13364.00	13485.00	13601.00
Labour Force (thousand)	6173.00	6327.00	6494.00	6676.00	6775.00	6849.00	6927.00	7017.00	7093.00	7167.00	7231.00	7295.00	7363.00	7425.00
Employment (thousand)	5817.00	5926.00	6031.00	6213.00	6316.00	6399.00	6490.00	6562.00	6621.00	6675.00	6695.00	6762.00	6833.00	6894.00
Unemployment Rate (percent)	5.80	6.30	7.10	6.90	6.80	6.60	[illegible]	6.50	6.70	6.90	7.40	7.30	7.20	7.10
Participation Rate (percent)	67.00	67.30	67.70	68.50	68.40	68.00	67.70	67.60	67.40	67.20	67.00	66.80	66.70	66.60
Households (thousand)	4351.40	4443.10	4492.00	4568.80	4606.40	4727.40	4808.80	4889.30	4962.40	5035.40	5107.20	5179.90	5248.90	5314.20
Personal Disposable Income (millions $1997)	250566.50	251648.60	255650.10	265089.10	270035.50	277088.30	285134.80	297008.50	299856.20	306161.40	311311.80	319203.90	327786.50	335008.30
Output (GDP) per employee (thousand $1997)	68.20	67.80	69.00	69.10	70.20	71.70	72.60	73.80	74.40	75.10	75.80	76.90	78.00	78.80

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
150.10	151.90	153.70	155.90	158.60	161.30	164.20	167.30	170.20	173.20	176.30	179.50	182.50	186.00	189.80	193.50	197.00
599914.00	619976.00	642534.00	665148.00	683069.00	700218.00	717601.00	733934.00	751708.00	769921.00	787945.00	806757.00	827913.00	847384.00	865226.00	884332.00	904960.00
188963.00	196306.00	205095.00	214656.00	221485.00	227635.00	233959.00	239758.00	246354.00	253302.00	260246.00	267869.00	276200.00	283521.00	289832.00	296780.00	304576.00
410951.00	423670.00	437440.00	450492.00	461583.00	472583.00	483642.00	494176.00	505353.00	516619.00	527700.00	538888.00	551713.00	563863.00	575394.00	587553.00	600384.00
13896.00	14050.00	14204.00	14359.00	14513.00	14667.00	14821.00	14974.00	15125.00	15276.00	15424.00	15572.00	15717.00	15860.00	16001.00	16139.00	16276.00
7756.00	7857.00	7963.00	8069.00	8164.00	8251.00	8342.00	8432.00	8510.00	8582.00	8649.00	8715.00	8790.00	8868.00	8945.00	9020.00	9098.00
7262.00	7358.00	7469.00	7579.00	7671.00	7749.00	7838.00	7923.00	8010.00	8092.00	8168.00	8243.00	8327.00	8408.00	8487.00	8561.00	8640.00
6.40	6.30	6.20	6.10	6.00	6.10	6.00	6.00	5.90	5.70	5.60	5.40	5.30	5.20	5.10	5.10	5.00
68.20	68.20	68.40	68.60	68.60	68.70	68.70	68.70	68.70	68.60	68.40	68.30	68.20	68.20	68.10	68.10	68.10
5442.40	5524.40	5605.50	5685.00	5763.20	5840.80	5918.10	5994.00	6067.30	6138.40	6207.90	6276.80	6343.60	6409.30	6474.00	6538.50	6602.00
364971.70	376563.00	389124.00	400727.00	411144.20	420327.30	429514.40	438095.90	446755.70	455605.80	464208.30	472796.00	483222.50	493093.60	502405.30	511880.80	521857.40
82.60	84.30	86.00	87.80	89.00	90.40	91.60	92.60	93.90	95.10	96.50	97.90	99.40	100.80	101.90	103.30	104.70

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
154.80	157.00	158.80	161.40	163.90	166.70	169.80	173.20	176.70	180.20	183.60	187.40	190.10	193.30	196.60	199.50	202.20
583079.00	602095.00	621624.00	637210.00	652047.00	667842.00	686860.00	703100.00	717820.00	731448.00	746159.00	764310.00	784123.00	801140.00	816987.00	833319.00	852073.00
185152.00	191959.00	199239.00	204738.00	209569.00	215186.00	222615.00	229025.00	234394.00	239097.00	244378.00	251613.00	259251.00	265373.00	270479.00	275508.00	281956.00
397927.00	410135.00	422385.00	432472.00	442479.00	452656.00	464246.00	474074.00	483426.00	492350.00	501781.00	512697.00	524872.00	535767.00	546508.00	557811.00	570117.00
14026.00	14200.00	14376.00	14553.00	14731.00	14911.00	15091.00	15272.00	15453.00	15634.00	15816.00	15997.00	16178.00	16358.00	16538.00	16717.00	16896.00
7664.00	7759.00	7858.00	7944.00	8020.00	8095.00	8182.00	8269.00	8331.00	8382.00	8430.00	8488.00	8569.00	8627.00	8692.00	8758.00	8834.00
7147.00	7241.00	7343.00	7424.00	7489.00	7553.00	7641.00	7721.00	7785.00	7834.00	7879.00	7939.00	8008.00	8066.00	8118.00	8166.00	8228.00
6.70	6.70	6.60	6.50	6.60	6.70	6.60	6.60	6.60	6.50	6.50	6.50	6.40	6.50	6.60	6.80	6.90
66.80	66.80	66.80	66.70	66.50	66.40	66.30	66.20	65.90	65.60	65.20	64.90	64.70	64.50	64.20	64.00	63.80
5487.10	5576.10	5664.80	5752.30	5839.10	5925.70	6012.60	6098.80	6182.90	6265.40	6346.90	6428.50	6508.60	6588.30	6667.80	6747.80	6827.50
363451.60	377703.70	390510.20	401306.80	411296.70	419883.80	431280.40	439361.50	446453.80	454637.40	462013.80	471250.40	481982.40	491036.60	499281.60	508007.80	516801.30
81.60	83.10	84.70	85.80	87.10	88.40	89.90	91.10	92.20	93.40	94.70	96.30	97.90	99.30	100.60	102.00	103.60

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
155.50	158.10	160.40	163.00	165.60	168.30	171.10	173.90	176.60	179.30	182.00	185.00	187.60	190.50	193.60	196.90	199.90
551698.00	561770.00	572631.00	583015.00	592432.00	603033.00	613886.00	622127.00	629005.00	636023.00	644030.00	652242.00	662110.00	670738.00	678601.00	687699.00	698331.00
168463.00	171757.00	175259.00	178806.00	181684.00	185335.00	188995.00	190772.00	191539.00	192377.00	194046.00	196204.00	198544.00	200071.00	201164.00	202985.00	205521.00
383235.00	390013.00	397372.00	404209.00	410748.00	417699.00	424891.00	431354.00	437466.00	443646.00	449985.00	456038.00	463566.00	470667.00	477437.00	484713.00	492809.00
13710.00	13814.00	13911.00	14006.00	14100.00	14192.00	14282.00	14370.00	14454.00	14536.00	14615.00	14691.00	14763.00	14831.00	14896.00	14957.00	15013.00
7474.00	7519.00	7564.00	7605.00	7639.00	7675.00	7713.00	7739.00	7748.00	7752.00	7764.00	7779.00	7797.00	7817.00	7835.00	7854.00	7879.00
6940.00	6978.00	7028.00	7073.00	7109.00	7147.00	7186.00	7202.00	7207.00	7212.00	7232.00	7252.00	7273.00	7291.00	7306.00	7326.00	7355.00
7.10	7.20	7.10	7.00	6.90	6.90	6.80	6.90	7.00	7.00	6.90	6.80	6.70	6.70	6.80	6.70	6.70
66.40	66.30	66.20	66.10	65.90	65.80	65.70	65.50	65.20	64.80	64.50	64.30	64.10	63.90	63.80	63.60	63.50
5378.40	5442.40	5503.00	5561.10	5617.20	5671.80	5725.40	5776.80	5824.90	5870.20	5913.10	5954.60	5993.40	6030.20	6065.50	6099.60	6131.90
341236.00	348574.40	357100.20	364843.60	372223.20	379977.70	387501.40	394374.20	400252.70	405948.40	411734.30	417295.50	424456.50	430947.10	436417.40	442080.50	447712.80
79.50	80.50	81.50	82.40	83.30	84.40	85.40	86.40	87.30	88.20	89.10	89.90	91.00	92.00	92.90	93.90	94.90

Table A1.9: Economic Indicators, Prince Edward Island

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	111.70	114.60	117.70	121.80	124.50	128.50	131.40	132.80	134.80	136.40	137.50	139.70	141.50	144.10
Total GDP (million $1997)	2860.00	2874.00	3009.00	3118.00	3203.00	3250.00	3310.00	3380.00	3491.00	3606.00	3712.00	3818.00	3934.00	4029.00
Goods GDP	752.00	728.00	786.00	828.00	827.00	884.00	890.00	906.00	964.00	1002.00	1036.00	1073.00	1114.00	1147.00
Services GDP	2108.00	2146.00	2223.00	2291.00	2376.00	2366.00	2420.00	2474.00	2527.00	2604.00	2676.00	2745.00	2820.00	2882.00
Population (thousand)	136.00	137.00	137.00	137.00	138.00	138.00	138.00	138.00	138.00	138.00	139.00	139.00	139.00	139.00
Labour Force (thousand)	71.00	72.00	74.00	74.00	75.00	77.00	78.00	78.00	79.00	79.00	79.00	79.00	79.00	79.00
Employment (thousand)	63.00	64.00	65.00	66.00	67.00	68.00	69.00	69.00	70.00	71.00	71.00	72.00	72.00	72.00
Unemployment Rate (percent)	12.10	11.90	12.00	11.00	11.30	10.80	11.90	11.60	10.60	10.40	10.40	9.60	9.10	8.60
Participation Rate (percent)	66.70	67.10	67.60	67.70	67.90	68.50	69.90	69.60	69.40	69.40	69.30	69.20	69.00	68.90
Households (thousand)	51.30	51.80	52.30	52.30	53.10	54.40	54.80	55.30	55.80	56.30	56.70	57.20	57.50	57.90
Personal Disposable Income (millions $1997)	2306.70	2292.10	2345.90	2361.00	2418.00	2526.70	2582.80	2668.40	2720.40	2779.20	2883.90	2958.00	3048.60	3119.40
Output (GDP) per employee (thousand $1997)	45.60	45.20	46.50	47.20	47.90	47.70	47.90	48.80	49.70	51.00	52.40	53.40	54.60	55.70

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	111.70	114.60	117.70	121.80	124.50	128.50	131.40	132.80	136.70	140.10	143.00	144.70	146.40	148.40
Total GDP (million $1997)	2860.00	2874.00	3009.00	3118.00	3203.00	3250.00	3310.00	3380.00	3479.00	3568.00	3649.00	3763.00	3878.00	3989.00
Goods GDP	752.00	728.00	786.00	828.00	827.00	884.00	890.00	906.00	961.00	999.00	1019.00	1058.00	1097.00	1136.00
Services GDP	2108.00	2146.00	2223.00	2291.00	2376.00	2366.00	2420.00	2474.00	2518.00	2570.00	2630.00	2705.00	2781.00	2853.00
Population (thousand)	136.00	137.00	137.00	137.00	138.00	138.00	138.00	138.00	138.00	138.00	139.00	139.00	139.00	139.00
Labour Force (thousand)	71.00	72.00	74.00	74.00	75.00	77.00	78.00	78.00	78.00	78.00	78.00	78.00	78.00	77.00
Employment (thousand)	63.00	64.00	65.00	66.00	67.00	68.00	69.00	69.00	70.00	70.00	70.00	70.00	71.00	71.00
Unemployment Rate (percent)	12.10	11.90	12.00	11.00	11.30	10.80	11.90	11.60	10.30	10.00	10.30	9.40	8.80	8.30
Participation Rate (percent)	66.70	67.10	67.60	67.70	67.90	68.50	69.90	69.60	69.00	68.60	68.30	68.00	67.50	67.20
Households (thousand)	51.30	51.80	52.30	52.30	53.00	54.30	54.70	55.20	55.60	56.00	56.50	56.90	57.20	57.50
Personal Disposable Income (millions $1997)	2306.70	2292.10	2345.90	2361.00	2418.00	2526.70	2582.80	2668.40	2693.10	2718.70	2820.00	2908.20	2998.40	3082.40
Output (GDP) per employee (thousand $1997)	45.60	45.20	46.50	47.20	47.90	47.70	47.90	48.80	49.60	50.80	52.10	53.40	54.80	56.30

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	111.70	114.60	117.70	121.80	124.50	128.50	131.40	132.80	137.10	140.10	142.70	144.60	146.60	149.10
Total GDP (million $1997)	2860.00	2874.00	3009.00	3118.00	3203.00	3250.00	3310.00	3380.00	3478.00	3552.00	3613.00	3705.00	3784.00	3862.00
Goods GDP	752.00	728.00	786.00	828.00	827.00	884.00	890.00	906.00	965.00	989.00	1003.00	1036.00	1057.00	1082.00
Services GDP	2108.00	2146.00	2223.00	2291.00	2376.00	2366.00	2420.00	2474.00	2513.00	2563.00	2609.00	2670.00	2728.00	2780.00
Population (thousand)	136.00	137.00	137.00	137.00	138.00	138.00	138.00	138.00	138.00	138.00	139.00	139.00	139.00	139.00
Labour Force (thousand)	71.00	72.00	74.00	74.00	75.00	77.00	78.00	78.00	78.00	78.00	77.00	77.00	77.00	77.00
Employment (thousand)	63.00	64.00	65.00	66.00	67.00	68.00	69.00	69.00	70.00	70.00	70.00	71.00	71.00	71.00
Unemployment Rate (percent)	12.10	11.90	12.00	11.00	11.30	10.80	11.90	11.60	10.30	9.50	9.30	8.40	8.10	7.70
Participation Rate (percent)	66.70	67.10	67.60	67.70	67.90	68.50	69.90	69.60	69.00	68.40	67.90	67.40	67.20	67.00
Households (thousand)	51.30	51.80	52.30	52.30	53.10	54.40	54.80	55.30	55.80	56.30	56.70	57.20	57.50	57.90
Personal Disposable Income (millions $1997)	2306.70	2292.10	2345.90	2361.00	2418.00	2526.70	2582.80	2668.40	2731.20	2800.30	2861.50	2940.70	3012.80	3082.40
Output (GDP) per employee (thousand $1997)	45.60	45.20	46.50	47.20	47.90	47.70	47.90	48.80	49.60	50.40	51.40	52.40	53.40	54.30

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
146.70	148.20	149.70	151.50	153.80	156.10	158.50	161.00	163.50	166.00	168.50	171.20	173.70	176.60	179.80	182.80	185.80
4121.00	4248.00	4368.00	4513.00	4610.00	4706.00	4802.00	4893.00	4986.00	5079.00	5176.00	5270.00	5368.00	5458.00	5543.00	5629.00	5714.00
1177.00	1224.00	1264.00	1325.00	1356.00	1385.00	1414.00	1439.00	1465.00	1492.00	1527.00	1562.00	1599.00	1633.00	1664.00	1696.00	1728.00
2944.00	3024.00	3104.00	3187.00	3254.00	3321.00	3388.00	3454.00	3521.00	3587.00	3649.00	3709.00	3769.00	3825.00	3879.00	3933.00	3986.00
139.00	139.00	139.00	139.00	139.00	139.00	139.00	139.00	138.00	138.00	138.00	138.00	137.00	137.00	136.00	136.00	135.00
79.00	79.00	79.00	79.00	78.00	78.00	78.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	76.00	76.00
73.00	73.00	73.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00
8.10	7.50	7.20	6.40	5.90	5.50	4.90	4.40	4.30	4.30	4.10	3.80	3.70	3.60	3.40	3.30	3.30
68.70	68.50	68.50	68.40	68.20	67.90	67.60	67.40	67.40	67.50	67.50	67.40	67.40	67.60	67.70	67.80	68.00
58.20	58.60	58.90	59.10	59.30	59.50	59.70	59.80	59.90	60.00	60.00	59.90	59.90	59.80	59.70	59.60	59.40
3194.10	3289.80	3384.40	3485.40	3570.80	3652.20	3732.30	3808.70	3879.80	3952.80	4029.60	4100.70	4180.70	4256.50	4332.20	4408.50	4485.30
56.70	58.20	59.70	61.20	62.50	63.70	64.90	66.10	67.40	68.70	70.00	71.40	72.70	73.90	75.00	76.20	77.40

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
150.60	152.30	153.70	155.80	157.80	160.00	162.50	165.40	168.30	171.20	174.00	177.10	179.40	182.10	184.80	187.10	189.30
4097.00	4226.00	4357.00	4471.00	4581.00	4686.00	4800.00	4903.00	5005.00	5108.00	5210.00	5320.00	5439.00	5550.00	5658.00	5771.00	5888.00
1172.00	1213.00	1254.00	1288.00	1318.00	1347.00	1378.00	1405.00	1430.00	1458.00	1488.00	1521.00	1559.00	1594.00	1625.00	1657.00	1690.00
2924.00	3012.00	3103.00	3183.00	3262.00	3339.00	3422.00	3498.00	3575.00	3649.00	3722.00	3799.00	3880.00	3956.00	4033.00	4114.00	4198.00
139.00	139.00	139.00	139.00	139.00	139.00	139.00	138.00	138.00	138.00	138.00	137.00	137.00	137.00	136.00	136.00	135.00
77.00	77.00	76.00	76.00	75.00	75.00	74.00	74.00	73.00	73.00	72.00	72.00	71.00	71.00	71.00	70.00	70.00
71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	70.00	70.00	70.00	69.00	69.00	69.00	68.00	68.00	68.00
7.80	7.30	6.80	6.20	5.60	5.20	4.70	4.30	4.20	4.00	3.80	3.60	3.50	3.40	3.30	3.30	3.30
66.80	66.50	66.30	65.90	65.50	65.00	64.60	64.20	64.00	63.70	63.40	63.10	62.90	62.80	62.70	62.60	62.50
57.90	58.20	58.50	58.70	58.90	59.10	59.30	59.40	59.50	59.50	59.50	59.50	59.40	59.30	59.20	59.10	58.90
3159.90	3270.30	3372.60	3463.70	3556.10	3643.00	3739.20	3821.10	3912.60	4007.70	4097.60	4197.00	4312.80	4426.80	4544.50	4668.80	4795.00
57.80	59.50	61.20	62.80	64.40	66.10	67.90	69.50	71.20	73.00	74.90	76.90	78.90	80.80	82.70	84.80	86.90

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
152.00	154.10	156.10	158.20	160.50	162.80	165.10	167.40	169.70	171.90	174.20	176.70	178.80	181.20	183.80	186.50	189.00
3940.00	4032.00	4125.00	4224.00	4307.00	4391.00	4478.00	4564.00	4647.00	4731.00	4819.00	4905.00	4997.00	5087.00	5175.00	5263.00	5359.00
1110.00	1145.00	1176.00	1212.00	1236.00	1261.00	1287.00	1308.00	1326.00	1346.00	1369.00	1394.00	1422.00	1448.00	1472.00	1497.00	1525.00
2830.00	2887.00	2949.00	3012.00	3070.00	3130.00	3191.00	3256.00	3321.00	3385.00	3450.00	3511.00	3575.00	3639.00	3702.00	3766.00	3834.00
139.00	139.00	139.00	139.00	139.00	139.00	139.00	139.00	138.00	138.00	138.00	138.00	137.00	137.00	136.00	136.00	135.00
77.00	76.00	76.00	76.00	75.00	75.00	74.00	74.00	73.00	73.00	73.00	73.00	73.00	72.00	72.00	72.00	72.00
71.00	71.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00	72.00
7.00	6.40	5.70	4.90	4.30	3.80	3.30	2.50	2.20	2.00	1.70	1.30	1.10	0.80	0.70	0.50	0.40
66.60	66.30	66.00	65.70	65.40	65.00	64.80	64.30	64.20	64.00	64.00	63.90	63.90	64.00	64.10	64.30	64.50
58.20	58.50	58.80	59.10	59.30	59.50	59.70	59.80	59.90	59.90	59.90	59.90	59.80	59.80	59.60	59.50	59.30
3159.30	3247.80	3343.90	3438.00	3527.60	3617.40	3706.10	3804.60	3901.20	3996.30	4087.60	4172.20	4271.50	4369.90	4462.30	4551.90	4639.40
55.30	56.40	57.50	58.70	59.80	61.00	62.20	63.50	64.70	65.90	67.20	68.40	69.60	70.90	72.10	73.30	74.60

Table A1.10: Economic Indicators, Quebec

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	110.60	113.20	115.50	118.40	120.70	123.50	126.00	127.50	129.70	131.80	133.20	135.50	137.60	140.40
Total GDP (million $1997)	202711.00	206693.00	215145.00	216643.00	223863.00	230351.00	236704.00	241898.00	247879.00	256774.00	264332.00	271584.00	279491.00	284956.00
Goods GDP	70567.00	70323.00	72032.00	71087.00	73417.00	76841.00	78973.00	80377.00	82844.00	86408.00	89388.00	92187.00	95254.00	97211.00
Services GDP	132145.00	136370.00	143113.00	145555.00	150446.00	153511.00	157731.00	161520.00	165035.00	170367.00	174945.00	179397.00	184237.00	187745.00
Population (thousand)	7357.00	7397.00	7444.00	7488.00	7537.00	7582.00	7624.00	7665.00	7697.00	7730.00	7763.00	7800.00	7837.00	7873.00
Labour Force (thousand)	3718.00	3771.00	3908.00	3983.00	4024.00	4053.00	4099.00	4121.00	4141.00	4173.00	4204.00	4234.00	4261.00	4288.00
Employment (thousand)	3403.00	3440.00	3570.00	3629.00	3680.00	3718.00	3760.00	3784.00	3813.00	3865.00	3901.00	3949.00	3990.00	4020.00
Unemployment Rate (percent)	8.50	8.80	8.60	9.10	8.50	8.30	8.30	8.20	7.90	7.40	7.20	6.70	6.40	6.20
Participation Rate (percent)	63.10	63.50	65.20	66.00	65.80	65.60	65.70	65.50	65.20	65.20	65.30	65.30	65.30	65.30
Households (thousand)	3039.60	3074.60	3110.80	3117.20	3190.90	3234.60	3273.40	3310.40	3343.70	3377.20	3410.30	3444.00	3475.80	3505.80
Personal Disposable Income (millions $1997)	131926.40	134765.30	137704.20	142846.30	146030.00	148391.50	153636.20	158748.30	162495.10	167438.30	172906.40	177753.70	182916.50	186714.20
Output (GDP) per employee (thousand $1997)	59.60	60.10	60.30	59.70	60.80	62.00	63.00	63.90	65.00	66.40	67.80	68.80	70.00	70.90

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	110.60	113.20	115.50	118.40	120.70	123.50	126.00	127.50	131.50	135.30	138.60	140.60	142.90	145.10
Total GDP (million $1997)	202711.00	206693.00	215145.00	216643.00	223863.00	230351.00	236704.00	241898.00	245553.00	252581.00	259303.00	266325.00	272489.00	278639.00
Goods GDP	70567.00	70323.00	72032.00	71087.00	73417.00	76841.00	78973.00	80377.00	82475.00	85808.00	88732.00	91570.00	93835.00	96182.00
Services GDP	132145.00	136370.00	143113.00	145555.00	150446.00	153511.00	157731.00	161520.00	163078.00	166774.00	170571.00	174755.00	178654.00	182457.00
Population (thousand)	7357.00	7397.00	7444.00	7488.00	7537.00	7582.00	7624.00	7664.00	7709.00	7753.00	7797.00	7842.00	7886.00	7930.00
Labour Force (thousand)	3718.00	3771.00	3908.00	3983.00	4024.00	4053.00	4099.00	4121.00	4140.00	4162.00	4193.00	4219.00	4234.00	4252.00
Employment (thousand)	3403.00	3440.00	3570.00	3629.00	3680.00	3718.00	3760.00	3784.00	3816.00	3846.00	3879.00	3927.00	3953.00	3976.00
Unemployment Rate (percent)	8.50	8.80	8.60	9.10	8.50	8.30	8.30	8.20	7.80	7.60	7.50	6.90	6.60	6.50
Participation Rate (percent)	63.10	63.50	65.20	66.00	65.80	65.60	65.70	65.50	65.20	65.00	64.90	64.80	64.60	64.40
Households (thousand)	3039.60	3074.60	3110.80	3117.20	3190.70	3234.50	3273.60	3310.90	3349.50	3387.60	3425.20	3462.40	3497.70	3531.50
Personal Disposable Income (millions $1997)	131926.40	134765.30	137704.20	142846.30	146030.00	148391.50	153636.20	158748.30	160942.00	163184.80	168044.20	172679.50	176612.70	180307.50
Output (GDP) per employee (thousand $1997)	59.60	60.10	60.30	59.70	60.80	62.00	63.00	63.90	64.40	65.70	66.90	67.80	68.90	70.10

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	110.60	113.20	115.50	118.40	120.70	123.50	126.00	127.50	132.00	135.20	138.10	140.20	142.50	145.20
Total GDP (million $1997)	202711.00	206693.00	215145.00	216643.00	223863.00	230351.00	236704.00	241898.00	245196.00	248981.00	251234.00	256606.00	262314.00	266986.00
Goods GDP	70567.00	70323.00	72032.00	71087.00	73417.00	76841.00	78973.00	80377.00	82302.00	83399.00	83654.00	85480.00	87603.00	89457.00
Services GDP	132145.00	136370.00	143113.00	145555.00	150446.00	153511.00	157731.00	161520.00	162894.00	165582.00	167580.00	171126.00	174711.00	177530.00
Population (thousand)	7357.00	7397.00	7444.00	7488.00	7537.00	7582.00	7624.00	7665.00	7696.00	7726.00	7754.00	7783.00	7808.00	7829.00
Labour Force (thousand)	3718.00	3771.00	3908.00	3983.00	4024.00	4053.00	4099.00	4121.00	4135.00	4148.00	4157.00	4166.00	4178.00	4188.00
Employment (thousand)	3403.00	3440.00	3570.00	3629.00	3680.00	3718.00	3760.00	3784.00	3806.00	3825.00	3822.00	3844.00	3871.00	3893.00
Unemployment Rate (percent)	8.50	8.80	8.60	9.10	8.50	8.30	8.30	8.20	8.00	7.80	8.10	7.70	7.40	7.00
Participation Rate (percent)	63.10	63.50	65.20	66.00	65.80	65.60	65.70	65.50	65.20	64.90	64.60	64.30	64.20	64.10
Households (thousand)	3039.60	3074.60	3110.80	3117.20	3190.90	3234.60	3273.40	3310.40	3343.50	3375.80	3406.70	3437.10	3464.30	3488.60
Personal Disposable Income (millions $1997)	131926.40	134765.30	137704.20	142846.30	146030.00	148391.50	153636.20	158748.30	160321.60	163169.30	165134.80	168710.40	172712.40	175972.80
Output (GDP) per employee (thousand $1997)	59.60	60.10	60.30	59.70	60.80	62.00	63.00	63.90	64.40	65.10	65.70	66.80	67.80	68.60

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
143.40	145.10	146.80	148.80	151.40	153.90	156.60	159.40	162.30	165.10	167.90	170.90	173.80	177.10	180.60	184.00	187.40
290278.00	298709.00	308005.00	317955.00	325111.00	331950.00	338755.00	344935.00	351557.00	358324.00	365154.00	372235.00	380142.00	387112.00	393123.00	399519.00	406414.00
98927.00	102245.00	106015.00	110556.00	113379.00	115954.00	118498.00	120687.00	123107.00	125676.00	128359.00	131296.00	134673.00	137510.00	139777.00	142253.00	145016.00
191351.00	196464.00	201990.00	207400.00	211732.00	215997.00	220257.00	224248.00	228450.00	232648.00	236796.00	240939.00	245470.00	249602.00	253346.00	257266.00	261397.00
7907.00	7941.00	7974.00	8006.00	8037.00	8067.00	8096.00	8124.00	8150.00	8175.00	8198.00	8220.00	8240.00	8258.00	8274.00	8289.00	8302.00
4310.00	4336.00	4365.00	4393.00	4416.00	4436.00	4457.00	4479.00	4504.00	4528.00	4549.00	4567.00	4581.00	4591.00	4599.00	4605.00	4611.00
4043.00	4077.00	4114.00	4156.00	4185.00	4206.00	4232.00	4254.00	4274.00	4292.00	4309.00	4323.00	4343.00	4360.00	4376.00	4388.00	4400.00
6.20	6.00	5.70	5.40	5.20	5.20	5.10	5.00	5.10	5.20	5.30	5.30	5.20	5.00	4.90	4.70	4.60
65.30	65.40	65.50	65.70	65.80	65.80	65.90	66.00	66.20	66.30	66.50	66.50	66.60	66.60	66.50	66.50	66.40
3535.70	3566.00	3594.90	3622.00	3647.80	3672.50	3696.30	3718.50	3738.50	3756.80	3773.80	3789.80	3804.20	3817.60	3829.90	3841.60	3852.60
190270.30	195403.00	201114.80	206563.80	211162.70	215294.10	219692.80	223597.10	227525.70	231394.60	235333.30	239172.20	243963.50	248431.60	252592.10	256813.00	261209.20
71.80	73.30	74.90	76.50	77.70	78.90	80.10	81.10	82.20	83.50	84.70	86.10	87.50	88.80	89.80	91.10	92.40

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
147.90	149.90	151.60	154.10	156.50	159.10	161.90	165.10	168.40	171.60	174.80	178.30	180.90	184.00	187.10	189.90	192.40
284568.00	292375.00	300809.00	307196.00	312950.00	319013.00	326861.00	333402.00	339103.00	344059.00	349343.00	356369.00	364312.00	370819.00	376470.00	382294.00	389272.00
98412.00	101295.00	104692.00	107106.00	109020.00	111232.00	114473.00	117211.00	119367.00	121098.00	122897.00	125952.00	129372.00	132011.00	134003.00	135962.00	138639.00
186146.00	191080.00	196116.00	200091.00	203930.00	207781.00	212388.00	216191.00	219736.00	222962.00	226346.00	230417.00	234939.00	238808.00	242467.00	246332.00	250633.00
7974.00	8017.00	8059.00	8101.00	8142.00	8183.00	8223.00	8263.00	8301.00	8338.00	8375.00	8410.00	8444.00	8477.00	8508.00	8538.00	8567.00
4270.00	4294.00	4319.00	4337.00	4351.00	4365.00	4385.00	4403.00	4421.00	4436.00	4448.00	4462.00	4473.00	4480.00	4482.00	4485.00	4491.00
3899.00	4030.00	4067.00	4093.00	4108.00	4121.00	4149.00	4171.00	4185.00	4189.00	4190.00	4199.00	4215.00	4226.00	4231.00	4235.00	4246.00
6.40	6.10	5.80	5.60	5.60	5.60	5.40	5.30	5.40	5.60	5.80	5.90	5.80	5.70	5.60	5.60	5.50
64.30	64.20	64.30	64.20	64.10	64.00	64.00	63.90	63.90	63.80	63.70	63.70	63.60	63.40	63.20	63.00	62.80
3565.40	3599.80	3633.00	3664.70	3695.10	3724.70	3753.60	3781.00	3806.60	3830.60	3853.40	3875.50	3896.30	3916.20	3935.30	3954.00	3972.20
183500.70	188997.30	194147.90	197899.70	201238.70	204544.60	208447.40	213076.70	216498.80	219465.20	222265.20	226470.50	231558.50	236079.60	240224.00	244816.80	250338.40
71.20	72.60	74.00	75.10	76.20	77.40	78.80	79.90	81.00	82.10	83.40	84.90	86.40	87.80	89.00	90.30	91.70

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
148.50	151.00	153.20	155.60	158.00	160.60	163.30	165.90	168.40	170.90	173.50	176.40	178.80	181.50	184.50	187.60	190.50
270211.00	274491.00	278804.00	283457.00	287133.00	291935.00	296965.00	300683.00	303538.00	306173.00	309133.00	312510.00	316621.00	319959.00	322591.00	325794.00	329873.00
90515.00	92156.00	93593.00	95450.00	96587.00	98512.00	100538.00	101553.00	101949.00	102221.00	102792.00	103832.00	105168.00	106005.00	106428.00	107219.00	108535.00
179696.00	182335.00	185212.00	188007.00	190546.00	193424.00	196427.00	199130.00	201589.00	203952.00	206341.00	208677.00	211453.00	213954.00	216164.00	218574.00	221339.00
7846.00	7859.00	7868.00	7876.00	7882.00	7886.00	7889.00	7890.00	7890.00	7887.00	7882.00	7875.00	7866.00	7855.00	7841.00	7825.00	7807.00
4191.00	4192.00	4194.00	4194.00	4190.00	4188.00	4187.00	4181.00	4177.00	4173.00	4172.00	4169.00	4159.00	4146.00	4131.00	4115.00	4100.00
3903.00	3912.00	3923.00	3937.00	3942.00	3952.00	3964.00	3964.00	3956.00	3946.00	3944.00	3943.00	3945.00	3944.00	3939.00	3937.00	3942.00
6.90	6.70	6.50	6.10	5.90	5.60	5.30	5.20	5.30	5.40	5.50	5.40	5.10	4.90	4.60	4.30	3.90
63.90	63.80	63.70	63.60	63.50	63.40	63.40	63.30	63.20	63.10	63.10	63.10	63.00	62.90	62.80	62.60	62.50
3511.40	3533.30	3552.60	3569.70	3585.10	3599.10	3611.80	3622.60	3631.10	3637.40	3642.10	3645.60	3647.30	3647.50	3646.40	3644.40	3641.30
178564.10	181974.00	185829.60	189573.00	192890.70	196733.00	200557.30	204108.80	207092.70	209752.40	212329.40	214976.50	218483.30	221533.70	223930.50	226341.90	228831.60
69.20	70.20	71.10	72.00	72.80	73.90	74.90	75.90	76.70	77.60	78.40	79.20	80.30	81.10	81.90	82.70	83.70

Table A1.11: Economic Indicators, Saskatchewan

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	116.70	120.30	123.70	126.50	129.30	132.20	134.50	136.10	138.80	140.20	141.00	143.30	145.30	148.10
Total GDP (million $1997)	29 095.00	28 658.00	28 128.00	28 947.00	29 877.00	30 647.00	31 617.00	32 385.00	32 610.00	33 323.00	33 789.00	34 180.00	34 652.00	34 975.00
Goods GDP	11 376.00	10 530.00	9 707.00	10 105.00	10 908.00	11 279.00	11 659.00	11 969.00	12 034.00	12 287.00	12 397.00	12 474.00	12 584.00	12 648.00
Services GDP	17 719.00	18 128.00	18 421.00	18 843.00	18 969.00	19 368.00	19 957.00	20 416.00	20 576.00	21 035.00	21 392.00	21 706.00	22 068.00	22 327.00
Population (thousand)	1 008.00	1 000.00	996.00	994.00	994.00	993.00	992.00	992.00	991.00	991.00	990.00	989.00	989.00	988.00
Labour Force (thousand)	499.00	489.00	496.00	504.00	507.00	509.00	512.00	514.00	516.00	518.00	520.00	520.00	521.00	521.00
Employment (thousand)	474.00	460.00	468.00	476.00	480.00	484.00	490.00	493.00	490.00	491.00	490.00	490.00	489.00	489.00
Unemployment Rate (percent)	5.10	5.80	5.70	5.60	5.30	5.10	4.40	4.20	5.10	5.20	5.70	5.80	6.00	6.10
Participation Rate (percent)	66.80	65.60	66.80	67.80	67.90	68.10	68.20	68.30	68.40	68.60	68.70	68.70	68.60	68.60
Households (thousand)	383.50	385.30	382.10	381.00	381.40	385.60	387.60	389.50	391.40	393.20	395.00	396.80	398.40	399.70
Personal Disposable Income (millions $1997)	17 184.30	16 951.40	16 900.00	17 908.30	18 680.20	18 997.00	19 951.90	20 684.30	20 948.10	21 401.10	21 916.60	22 230.30	22 624.10	22 836.20
Output (GDP) per employee (thousand $1997)	61.40	62.30	60.10	60.80	62.30	63.40	64.60	65.70	66.60	67.90	69.00	69.70	70.80	71.60

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	116.70	120.30	123.70	126.50	129.30	132.20	134.50	136.10	141.90	145.50	149.40	150.60	152.30	154.00
Total GDP (million $1997)	29 095.00	28 658.00	28 128.00	28 947.00	29 877.00	30 647.00	31 617.00	32 385.00	32 592.00	33 154.00	33 448.00	33 803.00	33 870.00	34 115.00
Goods GDP	11 376.00	10 530.00	9 707.00	10 105.00	10 908.00	11 279.00	11 659.00	11 969.00	12 140.00	12 408.00	12 455.00	12 539.00	12 458.00	12 496.00
Services GDP	17 719.00	18 128.00	18 421.00	18 843.00	18 969.00	19 368.00	19 957.00	20 416.00	20 452.00	20 747.00	20 993.00	21 264.00	21 412.00	21 619.00
Population (thousand)	1 008.00	1 000.00	996.00	994.00	994.00	993.00	992.00	992.00	991.00	990.00	989.00	988.00	987.00	986.00
Labour Force (thousand)	499.00	489.00	496.00	504.00	507.00	509.00	512.00	514.00	515.00	515.00	515.00	514.00	512.00	511.00
Employment (thousand)	474.00	460.00	468.00	476.00	480.00	484.00	490.00	493.00	492.00	492.00	489.00	489.00	484.00	481.00
Unemployment Rate (percent)	5.10	5.80	5.70	5.60	5.30	5.10	4.40	4.20	4.30	4.50	5.10	5.00	5.50	5.80
Participation Rate (percent)	66.80	65.60	66.80	67.80	67.90	68.10	68.20	68.30	68.20	68.20	68.10	67.90	67.60	67.40
Households (thousand)	383.50	385.30	382.10	381.00	381.30	385.40	387.30	389.10	390.70	392.30	393.80	395.30	396.60	397.70
Personal Disposable Income (millions $1997)	17 184.30	16 951.40	16 900.00	17 908.30	18 680.20	18 997.00	19 951.90	20 684.30	20 612.90	20 722.60	20 937.00	21 259.30	21 474.90	21 688.00
Output (GDP) per employee (thousand $1997)	61.40	62.30	60.10	60.80	62.30	63.40	64.60	65.70	66.20	67.40	68.40	69.20	70.00	70.90

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	116.70	120.30	123.70	126.50	129.30	132.20	134.50	136.10	142.10	145.60	148.40	150.40	152.50	155.20
Total GDP (million $1997)	29 095.00	28 658.00	28 128.00	28 947.00	29 877.00	30 647.00	31 617.00	32 385.00	32 401.00	32 723.00	32 784.00	33 157.00	33 580.00	33 937.00
Goods GDP	11 376.00	10 530.00	9 707.00	10 105.00	10 908.00	11 279.00	11 659.00	11 969.00	12 006.00	12 095.00	12 046.00	12 165.00	12 302.00	12 427.00
Services GDP	17 719.00	18 128.00	18 421.00	18 843.00	18 969.00	19 368.00	19 957.00	20 416.00	20 395.00	20 629.00	20 738.00	20 992.00	21 277.00	21 510.00
Population (thousand)	1 008.00	1 000.00	996.00	994.00	994.00	993.00	992.00	992.00	991.00	992.00	993.00	995.00	998.00	1 001.00
Labour Force (thousand)	499.00	489.00	496.00	504.00	507.00	509.00	512.00	514.00	515.00	515.00	514.00	515.00	516.00	518.00
Employment (thousand)	474.00	460.00	468.00	476.00	480.00	484.00	490.00	493.00	490.00	491.00	489.00	490.00	492.00	493.00
Unemployment Rate (percent)	5.10	5.80	5.70	5.60	5.30	5.10	4.40	4.20	4.70	4.70	4.90	4.80	4.70	4.80
Participation Rate (percent)	66.80	65.60	66.80	67.80	67.90	68.10	68.20	68.30	68.20	68.00	67.70	67.50	67.50	67.40
Households (thousand)	383.50	385.30	382.10	381.00	381.40	385.60	387.60	389.50	391.50	393.60	396.00	398.60	401.20	404.00
Personal Disposable Income (millions $1997)	17 184.30	16 951.40	16 900.00	17 908.30	18 680.20	18 997.00	19 951.90	20 684.30	20 547.30	20 846.40	21 027.20	21 353.50	21 703.70	21 988.50
Output (GDP) per employee (thousand $1997)	61.40	62.30	60.10	60.80	62.30	63.40	64.60	65.70	66.10	66.70	67.00	67.60	68.30	68.80

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
151.10	152.80	154.40	156.40	158.90	161.50	164.10	166.90	169.60	172.40	175.20	178.20	181.00	184.20	187.70	191.10	194.40
35 249.00	35 824.00	36 468.00	37 207.00	37 667.00	38 127.00	38 568.00	38 992.00	39 482.00	40 014.00	40 500.00	40 952.00	41 539.00	42 087.00	42 547.00	43 050.00	43 582.00
12 673.00	12 856.00	13 069.00	13 376.00	13 529.00	13 677.00	13 814.00	13 936.00	14 093.00	14 286.00	14 465.00	14 665.00	14 904.00	15 123.00	15 297.00	15 497.00	15 716.00
22 576.00	22 968.00	23 399.00	23 831.00	24 138.00	24 449.00	24 754.00	25 057.00	25 389.00	25 728.00	26 034.00	26 287.00	26 636.00	26 964.00	27 250.00	27 553.00	27 866.00
987.00	986.00	986.00	985.00	984.00	983.00	982.00	980.00	979.00	977.00	975.00	973.00	971.00	968.00	966.00	963.00	959.00
520.00	520.00	520.00	521.00	520.00	518.00	517.00	516.00	515.00	514.00	512.00	511.00	510.00	510.00	510.00	510.00	511.00
487.00	487.00	486.00	487.00	487.00	486.00	485.00	484.00	484.00	483.00	482.00	481.00	481.00	480.00	480.00	480.00	479.00
6.40	6.50	6.50	6.50	6.40	6.20	6.20	6.00	6.00	5.90	5.80	5.80	5.80	5.90	6.00	6.10	6.20
68.60	68.60	68.70	68.80	68.70	68.60	68.50	68.40	68.40	68.40	68.40	68.30	68.40	68.50	68.70	68.90	69.10
401.10	402.50	403.80	404.80	405.80	406.60	407.40	407.90	408.30	408.50	408.50	408.40	408.20	407.80	407.30	406.70	406.00
23 023.50	23 422.40	23 824.30	24 162.60	24 484.50	24 757.60	25 043.60	25 308.80	25 574.80	25 831.50	26 088.60	26 277.90	26 619.10	26 944.20	27 249.70	27 558.40	27 876.80
72.40	73.60	75.00	76.40	77.40	78.50	79.50	80.50	81.60	82.80	83.90	85.10	86.40	87.60	88.60	89.80	91.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
156.40	158.40	159.70	161.90	164.00	166.30	169.20	172.40	175.70	178.90	182.10	186.00	188.50	191.70	194.80	197.50	200.10
34 304.00	34 738.00	35 121.00	35 383.00	35 576.00	35 826.00	36 162.00	36 503.00	36 763.00	37 052.00	37 376.00	37 789.00	38 324.00	38 751.00	39 110.00	39 489.00	39 942.00
12 503.00	12 608.00	12 702.00	12 739.00	12 753.00	12 813.00	12 923.00	13 035.00	13 125.00	13 214.00	13 336.00	13 507.00	13 741.00	13 919.00	14 050.00	14 186.00	14 362.00
21 801.00	22 130.00	22 419.00	22 644.00	22 824.00	23 013.00	23 239.00	23 468.00	23 638.00	23 837.00	24 040.00	24 282.00	24 584.00	24 832.00	25 060.00	25 303.00	25 579.00
985.00	983.00	982.00	981.00	980.00	978.00	977.00	975.00	973.00	971.00	969.00	967.00	964.00	961.00	958.00	955.00	952.00
509.00	507.00	506.00	503.00	500.00	497.00	494.00	491.00	488.00	485.00	482.00	479.00	477.00	476.00	475.00	474.00	473.00
478.00	476.00	474.00	472.00	469.00	466.00	464.00	462.00	460.00	457.00	455.00	453.00	452.00	451.00	449.00	448.00	446.00
6.00	6.10	6.20	6.20	6.20	6.20	6.20	5.90	5.80	5.60	5.50	5.40	5.30	5.30	5.40	5.50	5.60
67.20	67.00	66.90	66.70	66.40	66.10	65.80	65.50	65.20	65.00	64.70	64.50	64.40	64.40	64.50	64.50	64.60
398.80	400.00	401.00	401.90	402.60	403.20	403.70	404.10	404.20	404.20	404.00	403.80	403.30	402.80	402.10	401.30	400.50
21 869.70	22 170.20	22 483.00	22 586.60	22 745.70	22 890.30	23 077.90	23 260.00	23 407.50	23 456.90	23 597.50	23 797.50	24 143.70	24 429.90	24 701.80	25 005.30	25 370.40
71.70	72.90	74.10	75.00	75.90	76.90	78.00	79.00	80.00	81.00	82.10	83.40	84.80	86.00	87.10	88.20	89.50

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
158.50	160.80	163.00	165.30	167.80	170.30	172.90	175.50	178.00	180.50	183.10	185.90	188.40	191.00	194.00	197.10	199.90
34 120.00	34 566.00	34 947.00	35 345.00	35 763.00	36 249.00	36 826.00	37 124.00	37 316.00	37 623.00	37 934.00	38 294.00	38 671.00	39 017.00	39 358.00	39 702.00	40 121.00
12 453.00	12 616.00	12 711.00	12 846.00	12 979.00	13 169.00	13 379.00	13 459.00	13 482.00	13 534.00	13 609.00	13 720.00	13 838.00	13 928.00	13 989.00	14 085.00	14 204.00
21 667.00	21 950.00	22 236.00	22 499.00	22 784.00	23 081.00	23 447.00	23 665.00	23 834.00	24 089.00	24 325.00	24 574.00	24 833.00	25 089.00	25 360.00	25 616.00	25 917.00
1 005.00	1 010.00	1 016.00	1 022.00	1 028.00	1 033.00	1 039.00	1 045.00	1 051.00	1 056.00	1 062.00	1 067.00	1 072.00	1 077.00	1 082.00	1 086.00	1 091.00
519.00	521.00	523.00	525.00	527.00	529.00	531.00	532.00	533.00	534.00	536.00	538.00	540.00	542.00	545.00	547.00	550.00
494.00	496.00	498.00	500.00	502.00	504.00	507.00	508.00	508.00	509.00	511.00	513.00	515.00	516.00	518.00	520.00	523.00
4.90	4.80	4.90	4.90	4.70	4.70	4.50	4.50	4.60	4.60	4.70	4.70	4.70	4.80	4.80	4.90	4.90
67.30	67.20	67.20	67.10	67.00	66.90	66.90	66.70	66.50	66.30	66.30	66.20	66.10	66.10	66.10	66.10	66.10
407.00	410.30	413.80	417.20	420.50	423.80	427.00	430.20	433.20	436.00	438.70	441.40	443.90	446.40	448.80	451.20	453.50
22 192.30	22 565.30	22 978.10	23 350.20	23 748.00	24 153.90	24 586.80	24 942.30	25 222.40	25 532.90	25 813.90	26 092.80	26 434.80	26 752.20	27 042.20	27 299.00	27 538.60
69.10	69.70	70.20	70.70	71.20	71.90	72.60	73.10	73.40	73.80	74.20	74.70	75.20	75.60	75.90	76.30	76.70

Table A1.12: Economic Indicators, Northwest Territories, Nunavut and Yukon

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.50	116.40	119.00	122.30	124.60	127.30	130.40	131.70	134.10	136.00	137.20	139.60	141.70	144.60
Total GDP (million $1997)	4073.00	4560.00	4719.00	5311.00	5618.00	5711.00	5922.00	6106.00	6256.00	6439.00	6558.00	6874.00	7126.00	7285.00
Goods GDP	1296.00	1610.00	1624.00	2170.00	2400.00	2405.00	2524.00	2615.00	2685.00	2778.00	2841.00	3052.00	3196.00	3278.00
Services GDP	2777.00	2950.00	3095.00	3141.00	3217.00	3307.00	3398.00	3490.00	3571.00	3661.00	3717.00	3822.00	3930.00	4008.00
Population (thousand)	98.00	99.00	100.00	102.00	103.00	104.00	104.00	105.00	105.00	106.00	106.00	107.00	108.00	108.00
Labour Force: Source Population (thousand)	69.20	70.10	71.40	73.10	74.50	75.60	76.60	77.60	78.50	79.40	80.30	81.10	81.80	82.40
Employment (thousand)	43.20	45.00	47.10	49.50	50.30	50.80	52.00	52.70	53.10	53.80	54.20	56.00	57.00	57.70
Households (thousand)	32.90	33.50	34.00	34.80	35.60	36.30	36.90	37.50	38.00	38.50	39.10	39.60	40.10	40.50
Personal Disposable Income (millions $1997)	2474.70	2626.10	2721.10	2798.90	2898.90	2832.60	3047.50	3211.10	3355.30	3437.40	3516.30	3697.00	3860.20	3938.70
Output (GDP) per employee (thousand $1997)	94.30	101.30	100.30	107.30	111.70	112.40	113.90	115.90	117.80	119.80	120.90	122.70	125.00	126.30

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.50	116.40	119.00	122.30	124.60	127.30	130.40	131.70	136.40	140.10	143.60	145.30	147.40	149.50
Total GDP (million $1997)	4073.00	4560.00	4719.00	5311.00	5618.00	5711.00	5922.00	6106.00	6404.00	6641.00	6777.00	6829.00	6962.00	7128.00
Goods GDP	1296.00	1610.00	1624.00	2170.00	2400.00	2405.00	2524.00	2615.00	2816.00	2969.00	3053.00	3050.00	2996.00	3086.00
Services GDP	2777.00	2950.00	3095.00	3141.00	3217.00	3307.00	3398.00	3490.00	3588.00	3672.00	3724.00	3779.00	3966.00	4043.00
Population (thousand)	98.00	99.00	100.00	102.00	103.00	104.00	104.00	105.00	105.00	106.00	107.00	107.00	108.00	108.00
Labour Force: Source Population (thousand)	69.20	70.10	71.40	73.10	74.50	75.50	76.60	77.50	78.50	79.30	80.20	81.00	81.70	82.30
Employment (thousand)	43.20	45.00	47.10	49.50	50.30	50.80	52.00	52.70	53.90	54.80	55.30	55.50	56.70	57.30
Households (thousand)	32.90	33.50	34.00	34.80	35.60	36.30	36.80	37.40	37.90	38.50	39.00	39.50	40.00	40.40
Personal Disposable Income (millions $1997)	2474.70	2626.10	2721.10	2798.90	2898.90	2832.60	3047.50	3211.10	3402.90	3495.90	3577.50	3613.90	3624.30	3674.70
Output (GDP) per employee (thousand $1997)	94.30	101.30	100.30	107.30	111.70	112.40	113.90	115.90	118.70	121.30	122.60	123.00	122.80	124.50

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Consumer Price Index (1992=100)	113.50	116.40	119.00	122.30	124.60	127.30	130.40	131.70	136.80	140.00	142.80	144.90	147.10	149.90
Total GDP (million $1997)	4073.00	4560.00	4719.00	5311.00	5618.00	5711.00	5922.00	6106.00	6211.00	6306.00	6333.00	6605.00	6978.00	7215.00
Goods GDP	1296.00	1610.00	1624.00	2170.00	2400.00	2405.00	2524.00	2615.00	2659.00	2688.00	2683.00	2866.00	3100.00	3243.00
Services GDP	2777.00	2950.00	3095.00	3141.00	3217.00	3307.00	3398.00	3490.00	3552.00	3618.00	3650.00	3738.00	3878.00	3972.00
Population (thousand)	98.00	99.00	100.00	102.00	103.00	104.00	104.00	105.00	105.00	106.00	106.00	107.00	108.00	108.00
Labour Force: Source Population (thousand)	69.20	70.10	71.40	73.10	74.50	75.60	76.60	77.60	78.50	79.40	80.30	81.10	81.80	82.40
Employment (thousand)	43.20	45.00	47.10	49.50	50.30	50.80	52.00	52.70	52.70	52.90	52.90	54.40	55.80	56.70
Households (thousand)	32.90	33.50	34.00	34.80	35.60	36.30	36.90	37.50	38.00	38.50	39.10	39.60	40.10	40.50
Personal Disposable Income (millions $1997)	2474.70	2626.10	2721.10	2798.90	2898.90	2832.60	3047.50	3211.10	3281.30	3355.60	3396.30	3566.20	3768.30	3892.30
Output (GDP) per employee (thousand $1997)	94.30	101.30	100.30	107.30	111.70	112.40	113.90	115.90	117.80	119.20	119.80	121.50	125.00	127.20

Source: Informetrica Limited, Statistics Canada, NEB

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
147.50	149.20	150.90	153.00	155.50	158.10	160.90	163.70	166.60	169.40	172.30	175.30	178.20	181.50	185.10	188.50	191.90
7324.00	7979.00	8309.00	8467.00	8593.00	8707.00	8887.00	9021.00	9243.00	9576.00	9787.00	10160.00	10278.00	10478.00	10645.00	10799.00	10981.00
3267.00	3616.00	3817.00	3898.00	3957.00	4006.00	4094.00	4141.00	4259.00	4474.00	4587.00	4701.00	4719.00	4804.00	4861.00	4909.00	4980.00
4057.00	4362.00	4492.00	4569.00	4636.00	4702.00	4793.00	4880.00	4984.00	5101.00	5200.00	5459.00	5559.00	5674.00	5784.00	5890.00	6001.00
109.00	109.00	110.00	110.00	111.00	111.00	112.00	112.00	113.00	113.00	114.00	114.00	114.00	114.00	115.00	115.00	115.00
83.00	83.60	84.00	84.50	84.90	85.30	85.70	86.00	86.30	86.70	86.90	87.20	87.50	87.70	87.90	88.10	88.30
57.80	61.20	62.10	62.60	63.00	63.30	63.80	64.00	64.60	65.70	66.20	68.30	68.30	68.70	69.00	69.20	69.40
41.00	41.40	41.80	42.10	42.50	42.80	43.20	43.50	43.80	44.10	44.40	44.60	44.90	45.10	45.30	45.50	45.70
3961.20	4226.40	4390.10	4485.80	4563.40	4630.00	4721.60	4796.50	4917.20	5096.80	5208.00	5381.20	5445.90	5554.60	5653.60	5746.50	5854.00
126.70	130.40	133.70	135.30	136.40	137.50	139.30	140.90	143.10	145.70	147.90	148.80	150.50	152.50	154.30	156.20	158.20

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
152.20	154.20	155.90	158.30	160.60	163.20	166.10	169.40	172.70	176.00	179.20	182.80	185.40	188.50	191.70	194.40	196.90
7231.00	7367.00	7550.00	7711.00	7837.00	8029.00	8372.00	8614.00	8812.00	8910.00	9093.00	9286.00	9506.00	9732.00	9920.00	10106.00	10318.00
3134.00	3201.00	3287.00	3366.00	3425.00	3540.00	3770.00	3908.00	3888.00	3895.00	3974.00	4060.00	4164.00	4272.00	4361.00	4451.00	4559.00
4097.00	4166.00	4262.00	4345.00	4412.00	4489.00	4602.00	4706.00	4924.00	5016.00	5119.00	5226.00	5342.00	5460.00	5558.00	5655.00	5759.00
109.00	110.00	110.00	111.00	112.00	112.00	113.00	113.00	114.00	114.00	115.00	115.00	115.00	116.00	116.00	116.00	116.00
82.90	83.50	84.00	84.50	84.90	85.30	85.80	86.20	86.50	86.90	87.30	87.60	87.90	88.20	88.50	88.80	89.10
57.70	58.10	58.50	59.00	59.40	60.10	61.40	62.10	63.80	63.80	64.20	64.60	65.00	65.50	65.70	65.80	66.10
40.90	41.30	41.70	42.10	42.40	42.80	43.10	43.50	43.80	44.10	44.40	44.70	45.00	45.30	45.50	45.80	46.00
3715.80	3790.60	3872.30	3937.00	3978.60	4053.20	4210.10	4304.40	4385.10	4409.60	4470.90	4548.50	4644.20	4745.00	4834.80	4929.50	5033.60
125.40	126.80	129.00	130.70	132.00	133.70	136.30	138.80	138.20	139.70	141.60	143.80	146.20	148.60	151.10	153.50	156.20

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
153.20	155.60	157.80	160.20	162.80	165.30	168.00	170.60	173.20	175.70	178.30	181.20	183.70	186.40	189.40	192.50	195.40
7275.00	7615.00	7883.00	7996.00	8108.00	8300.00	8859.00	9033.00	9156.00	9212.00	9367.00	9641.00	9970.00	10146.00	10304.00	10454.00	10626.00
3250.00	3367.00	3516.00	3559.00	3606.00	3719.00	4112.00	4195.00	4112.00	4078.00	4125.00	4259.00	4433.00	4491.00	4547.00	4597.00	4662.00
4024.00	4248.00	4367.00	4436.00	4502.00	4581.00	4747.00	4837.00	5044.00	5133.00	5242.00	5382.00	5537.00	5655.00	5757.00	5857.00	5964.00
109.00	109.00	110.00	110.00	111.00	111.00	112.00	112.00	113.00	113.00	113.00	114.00	114.00	114.00	114.00	115.00	115.00
83.00	83.50	84.00	84.50	84.90	85.30	85.60	86.00	86.30	86.60	86.90	87.20	87.40	87.60	87.90	88.10	88.20
56.90	58.90	59.60	59.90	60.20	60.90	63.00	63.50	64.90	64.90	65.30	66.00	66.90	67.30	67.40	67.60	67.80
41.00	41.40	41.80	42.10	42.50	42.80	43.20	43.50	43.80	44.10	44.30	44.60	44.80	45.10	45.30	45.50	45.70
3931.60	4082.10	4241.10	4320.20	4402.90	4523.70	4807.80	4940.50	5057.50	5116.50	5225.40	5379.80	5576.00	5708.90	5822.80	5933.70	6043.90
127.90	129.20	132.20	133.50	134.70	136.30	140.60	142.30	141.10	142.00	143.50	146.10	149.10	150.80	152.80	154.70	156.80

Appendix 2
Energy Demand

Table A2.1: Demand, Reference Case and Continuing Trends, Canada

Section 1: End Use Energy Prices (C$2005/GJ)

(demand weighted average of provincial prices)[1]	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	22.67	22.10	22.26	21.38	20.59	19.34	20.76	21.46	22.09	22.75	23.02	22.58	22.33	22.43
Natural Gas	8.87	9.58	9.70	9.62	9.82	10.67	11.61	11.61	12.28	11.34	10.48	10.39	10.28	10.17
Light Fuel Oil	14.29	14.19	13.13	15.18	15.22	18.77	19.83	17.75	16.45	15.30	14.25	14.13	13.98	13.83
Commercial														
Electricity	21.92	21.67	22.90	22.83	20.02	18.89	20.40	20.85	21.76	22.51	22.83	22.47	22.02	22.08
Natural Gas	6.71	7.39	7.49	7.59	7.71	8.70	9.80	9.88	10.58	9.66	8.82	8.75	8.66	8.57
Light Fuel Oil	13.78	13.88	12.74	14.74	14.91	18.47	19.55	17.48	16.17	15.01	13.96	13.83	13.68	13.53
Industrial														
Electricity	13.06	13.80	13.88	13.49	12.25	11.52	12.59	12.87	13.39	13.72	13.88	13.63	13.45	13.50
Natural Gas	3.62	4.04	6.05	5.26	5.38	6.51	7.76	7.91	8.62	7.70	6.90	6.83	6.76	6.67
Heavy Fuel Oil	8.92	9.07	8.27	9.52	9.64	13.59	15.03	13.06	11.72	10.59	9.56	9.44	9.31	9.18
Transportation														
Gasoline	27.00	27.18	27.22	27.24	27.23	29.95	30.17	27.67	26.25	25.01	23.87	23.64	23.38	23.12
Diesel	21.77	22.65	20.83	21.28	21.27	24.43	25.06	22.76	21.39	20.19	19.10	18.92	18.72	18.51

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**9 701.64**	**9 537.54**	**9 928.07**	**10 172.72**	**10 416.37**	**10 540.72**	**10 675.39**	**10 843.94**	**11 032.76**	**11 291.07**	**11 517.49**	**11 723.78**	**11 959.12**	**12 165.23**
RPP[2,3]	3 874.66	3 972.63	4 098.26	4 240.19	4 422.31	4 436.26	4 471.60	4 591.87	4 748.00	4 887.41	5 064.22	5 194.86	5 369.26	5 507.73
Electric	1 803.57	1 798.62	1 851.86	1 874.41	1 884.99	1 930.04	1 958.28	1 975.22	1 999.41	2 036.74	2 062.86	2 086.40	2 108.23	2 121.44
Natural Gas	3 146.66	2 940.88	3 100.46	3 167.82	3 211.24	3 284.42	3 358.75	3 380.54	3 377.44	3 442.68	3 453.94	3 496.14	3 524.28	3 574.03
Biofuels & Emerging Energy[4]	635.05	589.69	636.99	647.23	661.70	639.70	633.06	648.98	656.49	668.06	675.35	682.81	692.37	696.56
Other[5]	241.70	235.73	240.49	243.07	236.14	250.30	253.71	247.33	251.41	256.19	261.13	263.56	264.97	265.48
Residential Sector	**1 391.99**	**1 338.23**	**1 390.77**	**1 447.68**	**1 425.07**	**1 475.73**	**1 512.79**	**1 553.58**	**1 574.17**	**1 607.60**	**1 643.16**	**1 665.09**	**1 689.23**	**1 703.33**
Biomass	104.16	98.53	104.37	109.51	111.91	114.80	118.07	121.65	124.18	127.28	130.62	132.96	135.56	137.32
Electricity	497.64	504.87	517.53	532.76	543.66	555.27	570.09	584.81	593.04	604.37	615.98	623.27	631.67	636.37
Natural Gas	644.82	600.97	640.21	670.18	651.08	683.89	703.16	725.36	735.65	754.49	774.35	786.84	800.20	808.64
RPP	143.76	132.51	127.69	134.26	117.34	120.57	120.25	120.52	120.09	120.75	121.01	120.83	120.64	119.85
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	1.61	1.35	0.97	0.97	1.07	1.21	1.23	1.24	1.21	1.21	1.20	1.19	1.17	1.16
Commercial Sector	**1 368.71**	**1 341.18**	**1 425.79**	**1 443.90**	**1 458.96**	**1 506.28**	**1 525.33**	**1 541.49**	**1 542.20**	**1 568.70**	**1 592.72**	**1 610.04**	**1 633.89**	**1 651.40**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	466.15	457.63	488.33	486.05	492.32	517.73	527.11	534.58	539.69	549.76	557.17	562.77	570.71	575.83
Natural Gas	722.13	688.49	729.56	702.46	679.48	701.37	706.14	709.42	698.93	705.44	712.97	716.93	723.91	729.13
RPP	180.05	194.45	207.57	255.04	286.74	286.66	291.57	296.98	303.08	313.00	322.09	329.84	338.78	345.95
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.38	0.60	0.32	0.34	0.42	0.51	0.51	0.51	0.50	0.49	0.49	0.48	0.48	0.48
Industrial Sector	**4 453.21**	**4 393.03**	**4 612.43**	**4 704.06**	**4 853.77**	**4 867.32**	**4 928.25**	**4 987.57**	**5 125.84**	**5 262.21**	**5 354.46**	**5 468.25**	**5 595.80**	**5 727.16**
Biomass	530.89	491.15	532.62	537.72	549.78	524.90	514.99	505.40	510.17	518.20	521.81	526.71	533.45	535.54
Coal, Coke & Coke Oven Gas	204.90	197.43	204.12	204.18	195.46	207.22	210.99	205.03	208.89	212.84	217.33	219.46	220.91	221.81
Electricity	836.66	833.05	842.65	852.21	845.56	853.65	857.73	852.48	863.34	879.20	886.25	896.86	902.31	905.68
Natural Gas	1 777.34	1 649.44	1 728.94	1 793.43	1 878.92	1 897.45	1 947.79	1 944.13	1 941.29	1 981.19	1 965.05	1 990.79	1 998.60	2 034.69
LPG & Petroleum Feedstocks	363.19	462.48	506.00	491.03	579.01	560.40	567.92	577.93	593.74	617.69	639.07	653.88	672.28	686.47
RPP	325.22	317.21	296.47	325.60	324.92	328.90	327.87	325.59	329.36	338.23	346.38	352.58	360.41	365.57
Still Gas & Petroleum Coke	380.19	405.91	466.55	462.31	440.92	453.44	459.98	536.46	638.24	673.22	736.47	785.54	865.44	935.36
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	34.82	36.36	35.08	37.59	39.19	41.36	40.98	40.56	40.80	41.65	42.11	42.44	42.40	42.04

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
23.58	23.75	23.92	24.00	24.17	24.45	24.74	25.05	25.41	25.97	26.45	26.87	27.36	27.91	28.50	29.09	29.72
10.07	9.98	9.90	9.83	9.76	9.71	9.67	9.63	9.60	9.57	9.53	9.50	9.47	9.44	9.41	9.38	9.35
13.69	13.56	13.46	13.36	13.27	13.20	13.15	13.10	13.06	13.02	12.98	12.94	12.90	12.86	12.81	12.77	12.73
23.83	24.06	24.29	24.43	24.66	25.03	25.41	25.76	26.16	26.97	27.44	27.84	28.34	28.89	29.48	30.04	30.65
8.49	8.41	8.35	8.30	8.25	8.21	8.18	8.16	8.14	8.12	8.10	8.08	8.06	8.04	8.02	8.00	7.98
13.38	13.26	13.15	13.04	12.95	12.88	12.82	12.77	12.72	12.68	12.63	12.59	12.55	12.50	12.46	12.42	12.37
14.32	14.45	14.58	14.64	14.76	14.96	15.14	15.30	15.53	15.95	16.22	16.47	16.75	17.08	17.44	17.80	18.19
6.58	6.53	6.49	6.45	6.42	6.39	6.37	6.36	6.35	6.35	6.34	6.34	6.33	6.32	6.31	6.30	6.29
9.07	8.96	8.87	8.80	8.73	8.68	8.63	8.59	8.55	8.52	8.49	8.46	8.44	8.41	8.38	8.35	8.32
22.86	22.64	22.45	22.27	22.11	21.98	21.88	21.79	21.71	21.63	21.56	21.48	21.40	21.32	21.25	21.17	21.10
18.31	18.14	17.99	17.85	17.72	17.62	17.54	17.47	17.41	17.35	17.29	17.23	17.17	17.11	17.05	16.99	16.93

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
12 349.50	**12 661.41**	**12 966.69**	**13 195.32**	**13 339.75**	**13 460.35**	**13 599.84**	**13 717.16**	**13 838.71**	**13 962.62**	**14 072.25**	**14 204.80**	**14 353.28**	**14 475.85**	**14 565.13**	**14 663.35**	**14 775.04**
5 609.25	5 793.90	5 980.85	6 119.57	6 223.87	6 318.46	6 435.04	6 542.33	6 636.40	6 734.10	6 818.64	6 903.40	7 002.61	7 091.97	7 167.20	7 245.53	7 329.23
2 129.28	2 155.32	2 188.90	2 217.55	2 230.19	2 237.65	2 246.50	2 251.31	2 259.19	2 266.38	2 273.33	2 282.06	2 298.05	2 306.39	2 306.94	2 308.88	2 313.33
3 645.92	3 732.82	3 795.76	3 838.92	3 859.32	3 873.68	3 882.86	3 885.50	3 900.43	3 913.93	3 927.55	3 958.63	3 982.07	4 002.58	4 016.67	4 034.41	4 056.15
699.92	711.19	727.05	740.11	746.03	750.34	755.12	758.27	762.51	766.70	771.00	776.65	784.82	788.68	788.79	789.42	791.68
265.13	268.17	274.14	279.17	280.34	280.22	280.32	279.75	280.17	281.51	281.72	284.06	285.72	286.23	285.54	285.10	284.65
1 713.67	**1 736.62**	**1 762.52**	**1 783.49**	**1 797.24**	**1 806.14**	**1 814.82**	**1 822.24**	**1 828.88**	**1 835.12**	**1 839.97**	**1 843.41**	**1 850.82**	**1 856.26**	**1 859.88**	**1 862.74**	**1 866.27**
138.81	141.31	144.07	146.32	148.00	149.27	150.52	151.69	152.75	153.76	154.70	155.53	156.75	157.79	158.67	159.49	160.40
639.06	646.34	654.77	661.23	665.08	667.23	669.39	671.22	672.70	673.92	674.66	674.87	676.49	677.32	677.42	677.20	677.13
815.66	828.71	843.06	855.46	864.09	870.21	876.02	880.94	885.51	889.92	893.47	896.22	900.83	904.48	907.22	909.55	912.21
119.01	119.14	119.50	119.37	118.98	118.37	117.83	117.34	116.89	116.51	116.14	115.79	115.77	115.71	115.62	115.56	115.61
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.13	1.12	1.11	1.10	1.09	1.07	1.06	1.04	1.03	1.01	1.00	0.98	0.97	0.96	0.95	0.94	0.92
1 668.36	**1 701.09**	**1 733.91**	**1 769.20**	**1 792.15**	**1 814.41**	**1 836.13**	**1 858.50**	**1 883.20**	**1 908.37**	**1 931.72**	**1 952.89**	**1 981.14**	**2 007.05**	**2 029.67**	**2 054.12**	**2 080.22**
0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.05	0.05	0.05
579.49	587.92	596.48	605.38	610.28	614.51	618.72	622.58	626.68	630.45	633.65	636.39	640.25	643.16	645.07	647.19	649.56
735.24	749.20	763.14	778.76	788.63	798.64	807.99	818.69	830.94	843.84	855.72	865.89	881.39	895.94	908.71	922.78	937.83
353.15	363.45	373.77	384.55	392.73	400.74	408.91	416.71	425.06	433.56	441.82	450.04	458.91	467.35	475.28	483.53	492.20
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
0.48	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.52	0.53	0.53	0.54	0.54	0.55
5 846.57	**6 039.23**	**6 218.61**	**6 331.87**	**6 397.67**	**6 450.64**	**6 523.23**	**6 578.10**	**6 632.56**	**6 686.30**	**6 733.02**	**6 807.86**	**6 880.05**	**6 934.43**	**6 965.90**	**7 003.98**	**7 049.88**
537.05	545.10	557.32	567.40	571.06	573.63	576.85	578.67	581.69	584.83	588.23	593.03	599.93	602.70	601.79	601.46	602.62
221.82	223.91	228.71	232.30	233.24	232.97	232.89	232.23	232.44	232.64	232.58	233.48	234.47	234.51	233.55	232.73	231.84
907.16	917.45	933.99	947.24	951.11	952.17	954.64	953.74	956.03	958.21	961.22	966.99	977.47	987.06	980.58	980.63	982.76
2 093.47	2 153.34	2 187.96	2 203.10	2 204.99	2 203.21	2 197.22	2 184.23	2 182.33	2 178.51	2 176.69	2 194.84	2 198.16	2 200.45	2 199.02	2 200.33	2 204.36
699.48	720.66	746.36	766.07	780.80	793.80	808.30	821.58	835.71	848.94	862.07	877.12	895.63	911.43	924.24	938.02	952.29
370.82	382.56	395.22	408.72	416.26	422.95	430.10	436.18	443.08	452.41	459.60	467.36	476.05	482.96	488.03	493.45	499.68
975.07	1 053.56	1 125.18	1 161.72	1 194.64	1 226.19	1 277.31	1 325.46	1 355.03	1 383.36	1 404.95	1 425.92	1 448.54	1 470.04	1 488.13	1 506.42	1 524.94
0.00	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.04	0.04	0.04	0.04
41.70	42.65	43.82	45.28	45.52	45.69	45.88	45.98	46.21	47.37	47.65	49.08	49.75	50.22	50.51	50.89	51.34

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**2 487.74**	**2 465.10**	**2 499.08**	**2 577.08**	**2 678.57**	**2 691.40**	**2 709.03**	**2 761.31**	**2 790.55**	**2 852.56**	**2 927.15**	**2 980.41**	**3 040.20**	**3 083.34**
Aviation Fuel	195.11	172.29	188.17	194.92	210.17	206.15	203.00	202.56	203.08	206.89	213.76	218.75	223.74	227.53
Diesel	889.20	866.51	859.88	908.26	966.21	985.13	1 003.11	1 016.99	1 030.11	1 054.41	1 080.17	1 099.77	1 122.34	1 139.37
Electric	3.12	3.08	3.35	3.39	3.46	3.39	3.35	3.36	3.35	3.40	3.46	3.50	3.54	3.56
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.94	22.13	22.58	22.92	23.14	23.37	23.69
Heavy Fuel Oil	28.41	33.86	34.63	35.20	36.29	36.84	37.39	37.95	38.52	39.09	39.68	40.27	40.88	41.49
LPG	15.92	17.03	12.36	11.88	12.67	12.04	11.39	10.78	10.06	9.53	9.04	8.52	8.06	7.61
Lubricants	11.70	11.91	12.91	13.62	13.23	13.61	14.09	14.60	15.04	15.60	16.15	16.60	17.09	17.49
Motor Gasoline	1 341.90	1 358.46	1 386.04	1 408.06	1 434.79	1 432.53	1 435.05	1 451.50	1 466.70	1 499.49	1 540.40	1 568.28	1 599.62	1 621.03
Natural Gas	2.37	1.96	1.74	1.75	1.75	1.71	1.66	1.62	1.57	1.56	1.57	1.57	1.57	1.57

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	9 701.64	9 537.54	9 928.07	10 172.72	10 416.37	10 540.72	10 675.39	10 843.94	11 032.76	11 291.07	11 517.49	11 723.78	11 959.12	12 165.23
Total Electric and Steam Energy Demand for Generation	3 694.00	3 666.56	3 617.04	3 690.23	3 775.88	4 006.86	4 036.50	4 102.61	4 104.10	4 104.62	4 179.40	4 218.88	4 224.45	4 236.66
Less Electricity and Steam Secondary Demand	1 838.70	1 835.30	1 887.26	1 912.34	1 924.60	1 971.91	1 999.77	2 016.29	2 040.72	2 078.88	2 105.45	2 129.32	2 151.11	2 163.95
Total Primary Demand	**11 556.94**	**11 368.80**	**11 657.85**	**11 950.61**	**12 267.66**	**12 575.67**	**12 712.12**	**12 930.26**	**13 096.14**	**13 316.82**	**13 591.44**	**13 813.34**	**14 032.45**	**14 237.93**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	3 444.01	3 252.05	3 366.04	3 459.41	3 495.05	3 695.79	3 801.32	3 843.85	3 859.27	3 948.97	3 976.85	4 027.53	4 056.79	4 126.13
RPP[2]	4 005.36	4 129.72	4 226.67	4 399.41	4 610.19	4 633.09	4 678.82	4 805.36	4 960.74	5 108.91	5 291.50	5 416.99	5 573.19	5 713.23
Coal, Coke and Coke Oven Gas	1 394.19	1 366.67	1 348.18	1 415.83	1 289.24	1 183.83	1 163.13	1 159.35	1 161.26	1 114.69	1 071.19	1 041.53	993.63	960.95
Hydro	1 280.43	1 189.61	1 251.53	1 205.26	1 216.99	1 263.15	1 273.81	1 284.12	1 293.92	1 334.01	1 350.19	1 350.20	1 374.06	1 375.77
Nuclear	796.63	839.30	826.52	819.53	988.77	1 086.52	1 085.51	1 095.74	1 054.56	1 015.74	1 087.49	1 140.28	1 172.40	1 179.90
Biofuels & Emerging Energy	636.32	591.45	638.91	651.18	667.42	713.29	709.54	741.86	766.38	794.49	814.22	836.80	862.39	881.95

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.56**	**9.24**	**9.32**	**9.34**	**9.26**	**9.08**	**8.92**	**8.82**	**8.72**	**8.61**	**8.51**	**8.44**	**8.37**	**8.33**
Residential (PJ/Personal Income)	1.76	1.68	1.72	1.78	1.71	1.73	1.71	1.69	1.66	1.64	1.61	1.59	1.57	1.55
Commercial (PJ/GO)	1.26	1.21	1.25	1.24	1.21	1.20	1.18	1.16	1.14	1.12	1.10	1.09	1.07	1.06
Industrial (PJ/GO)	5.24	5.21	5.33	5.40	5.34	5.20	5.08	4.97	4.87	4.76	4.65	4.57	4.52	4.50
Transportation (PJ/GDP)	2.45	2.39	2.35	2.36	2.38	2.32	2.26	2.25	2.21	2.18	2.16	2.15	2.13	2.11

[1] Please note that there is no Canadian end use price for the various fuels. The prices shown here are a demand weighted average of provincial prices included for interest only. Fuel demand and prices vary widely across provinces. The Canadian weighted average could lead to some unintuitive results.

[2] Refined Petroleum Products (RPP)

[3] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[4] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[5] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 120.90	**3 184.47**	**3 251.66**	**3 310.77**	**3 352.69**	**3 389.15**	**3 425.66**	**3 458.33**	**3 494.07**	**3 532.83**	**3 567.55**	**3 600.65**	**3 641.28**	**3 678.11**	**3 709.69**	**3 742.51**	**3 778.67**
230.97	236.37	242.41	247.81	252.43	256.66	260.93	264.98	269.20	273.65	278.03	282.33	287.65	292.83	297.79	302.79	308.08
1 154.55	1 180.61	1 207.02	1 230.75	1 246.00	1 260.12	1 275.39	1 288.89	1 305.37	1 324.58	1 341.19	1 357.41	1 375.06	1 391.46	1 405.43	1 420.69	1 438.10
3.57	3.61	3.66	3.70	3.72	3.74	3.75	3.77	3.78	3.79	3.80	3.81	3.83	3.85	3.86	3.87	3.88
24.06	24.74	25.60	26.32	26.90	27.38	27.68	27.85	28.01	28.05	28.01	27.98	28.03	28.08	28.22	28.36	28.55
42.11	42.75	43.39	44.04	44.70	45.37	46.05	46.74	47.44	48.15	48.87	49.61	50.35	51.11	51.87	52.65	53.44
7.19	6.87	6.60	6.34	6.09	5.86	5.66	5.48	5.34	5.22	5.11	5.02	4.95	4.89	4.84	4.79	4.76
17.87	18.41	19.00	19.56	20.03	20.47	20.92	21.34	21.79	22.24	22.69	23.14	23.66	24.16	24.62	25.10	25.60
1 639.02	1 669.54	1 702.40	1 730.65	1 751.19	1 767.93	1 783.65	1 797.62	1 811.49	1 825.48	1 838.17	1 849.66	1 866.04	1 880.02	1 891.35	1 902.53	1 914.52
1.56	1.57	1.59	1.61	1.62	1.63	1.63	1.64	1.65	1.66	1.67	1.68	1.70	1.71	1.72	1.73	1.75

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
12 349.50	12 661.41	12 966.69	13 195.32	13 339.75	13 460.35	13 599.84	13 717.16	13 838.71	13 962.62	14 072.25	14 204.80	14 353.28	14 475.85	14 565.13	14 663.35	14 775.04
4 217.39	4 273.10	4 343.65	4 397.54	4 454.85	4 458.21	4 459.64	4 493.09	4 495.95	4 502.38	4 530.35	4 548.92	4 573.60	4 586.50	4 592.79	4 592.87	4 609.18
2 171.45	2 198.45	2 233.20	2 263.31	2 276.19	2 283.81	2 292.86	2 297.77	2 305.88	2 314.22	2 321.46	2 331.64	2 348.30	2 357.11	2 357.95	2 360.28	2 365.18
14 395.44	**14 736.07**	**15 077.14**	**15 329.56**	**15 518.41**	**15 634.75**	**15 766.62**	**15 912.48**	**16 028.77**	**16 150.78**	**16 281.14**	**16 422.08**	**16 578.58**	**16 705.23**	**16 799.97**	**16 895.94**	**17 019.04**
4 215.24	4 327.25	4 402.14	4 446.60	4 447.71	4 472.28	4 499.78	4 504.36	4 521.10	4 523.60	4 527.75	4 561.30	4 587.40	4 610.22	4 628.78	4 647.70	4 666.20
5 820.64	5 994.79	6 192.59	6 321.03	6 424.05	6 516.86	6 625.21	6 731.95	6 829.00	6 925.09	6 971.83	7 055.47	7 158.72	7 248.17	7 315.74	7 393.77	7 480.55
943.05	916.15	890.80	907.38	893.16	897.66	885.00	873.88	860.66	861.33	846.07	843.59	839.59	838.20	831.60	827.29	820.07
1 375.85	1 420.19	1 426.95	1 433.50	1 469.28	1 475.71	1 475.55	1 510.72	1 510.60	1 510.50	1 510.42	1 510.25	1 510.19	1 510.14	1 510.09	1 510.01	1 509.25
1 140.62	1 152.02	1 209.97	1 239.45	1 285.88	1 258.03	1 251.76	1 249.58	1 252.02	1 261.61	1 343.80	1 355.47	1 369.80	1 372.33	1 379.09	1 372.33	1 386.88
900.04	925.67	954.70	981.61	998.35	1 014.22	1 029.33	1 041.99	1 055.38	1 068.65	1 081.28	1 096.00	1 112.88	1 126.17	1 134.67	1 144.84	1 156.08

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.28	**8.23**	**8.17**	**8.06**	**7.96**	**7.86**	**7.78**	**7.69**	**7.60**	**7.50**	**7.41**	**7.32**	**7.24**	**7.15**	**7.07**	**6.99**	**6.91**
1.52	1.50	1.48	1.45	1.43	1.41	1.38	1.36	1.34	1.32	1.30	1.28	1.25	1.23	1.21	1.19	1.17
1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93
4.47	4.46	4.40	4.31	4.23	4.16	4.09	4.03	3.96	3.89	3.82	3.76	3.69	3.62	3.56	3.50	3.43
2.09	2.07	2.05	2.02	2.00	1.98	1.96	1.94	1.92	1.90	1.88	1.86	1.84	1.82	1.80	1.78	1.77

Table A2.2: Demand, Reference Case and Continuing Trends, Alberta

Section 1: End Use Energy Prices (C$2005/GJ)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	27.09	27.26	29.50	29.94	26.14	26.79	28.45	26.46	28.30	28.50	28.55	28.69	27.08	26.55
Natural Gas	4.79	6.75	6.72	5.40	5.53	6.70	7.97	8.13	8.83	7.91	7.08	7.01	6.94	6.86
Light Fuel Oil	11.46	11.74	10.96	12.56	12.53	16.27	17.51	15.53	14.24	13.10	12.07	11.95	11.82	11.69
Commercial														
Electricity	22.63	26.68	29.76	38.27	30.37	30.07	33.18	29.95	33.31	33.82	34.22	34.76	32.21	31.63
Natural Gas	3.91	5.90	5.45	4.48	4.59	5.83	7.16	7.35	8.06	7.15	6.33	6.27	6.20	6.13
Light Fuel Oil	11.46	11.74	10.96	12.56	12.71	16.44	17.67	15.68	14.39	13.25	12.22	12.10	11.97	11.84
Industrial														
Electricity	14.55	18.68	17.55	17.05	13.93	13.99	15.12	13.79	15.05	15.20	15.28	15.43	14.39	14.10
Natural Gas	1.80	2.59	5.08	4.01	4.06	5.34	6.70	6.91	7.63	6.72	5.90	5.84	5.78	5.72
Heavy Fuel Oil	7.60	7.79	7.27	8.35	8.40	12.43	13.96	12.12	10.86	9.75	8.75	8.67	8.57	8.48
Transportation														
Gasoline	24.12	24.06	24.21	24.21	24.21	27.14	27.57	25.18	23.79	22.58	21.46	21.25	21.02	20.79
Diesel	19.03	20.25	18.14	18.85	18.85	22.15	22.95	20.74	19.40	18.22	17.15	16.98	16.80	16.61

Section 2: Secondary Demand (petajoules) (includes end use demand and feedstocks)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**2 325.14**	**2 365.74**	**2 416.61**	**2 542.22**	**2 682.60**	**2 715.34**	**2 819.82**	**2 937.15**	**3 063.64**	**3 169.17**	**3 243.86**	**3 338.63**	**3 451.23**	**3 574.90**
RPP[1,2]	780.09	888.50	888.20	928.06	1 026.26	988.38	1 020.03	1 124.36	1 245.59	1 303.05	1 389.16	1 453.23	1 553.23	1 638.70
Electric	199.50	203.09	208.25	195.85	202.16	206.69	209.98	210.27	211.89	215.69	217.18	218.25	220.29	222.72
Natural Gas	1 277.77	1 204.29	1 245.23	1 338.86	1 378.97	1 448.12	1 518.63	1 532.52	1 535.54	1 578.92	1 565.67	1 594.63	1 604.63	1 640.41
Biofuels & Emerging Energy[3]	56.50	57.40	64.15	68.61	66.05	63.32	62.45	61.49	62.18	63.01	63.38	64.15	64.88	65.10
Other[4]	11.28	12.45	10.77	10.84	9.17	8.83	8.74	8.52	8.44	8.50	8.46	8.38	8.19	7.96
Residential Sector	**188.90**	**170.32**	**188.40**	**190.26**	**189.45**	**200.15**	**209.01**	**217.39**	**221.79**	**227.78**	**234.22**	**237.71**	**241.96**	**244.22**
Biomass	0.46	0.43	0.48	0.46	0.45	0.47	0.49	0.52	0.54	0.55	0.57	0.58	0.60	0.60
Electricity	25.56	27.80	28.76	27.14	27.54	28.91	30.33	31.80	32.77	33.89	35.04	35.77	36.69	37.33
Natural Gas	160.35	139.77	157.00	160.78	159.81	169.12	176.57	183.49	186.97	191.88	197.21	200.04	203.42	205.10
RPP	1.88	1.77	1.76	1.76	1.58	1.57	1.54	1.50	1.43	1.38	1.33	1.26	1.20	1.14
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.65	0.55	0.40	0.11	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05
Commercial Sector	**242.86**	**251.32**	**269.38**	**277.43**	**305.77**	**315.64**	**323.42**	**329.44**	**330.56**	**337.49**	**343.69**	**347.52**	**352.97**	**357.64**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	51.82	52.67	53.31	46.64	52.58	53.54	54.89	56.06	56.90	58.32	59.46	60.19	61.25	62.10
Natural Gas	143.63	148.20	170.55	171.77	171.24	176.39	179.08	180.61	177.35	178.45	179.68	179.53	180.35	181.16
RPP	47.41	50.45	45.52	59.02	81.87	85.63	89.36	92.68	96.21	100.61	104.44	107.69	111.26	114.28
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11
Industrial Sector	**1 498.41**	**1 527.81**	**1 559.47**	**1 660.61**	**1 752.09**	**1 764.73**	**1 836.87**	**1 923.81**	**2 035.21**	**2 113.09**	**2 160.14**	**2 238.30**	**2 329.74**	**2 437.83**
Biomass	56.04	56.97	63.67	68.15	65.60	62.84	61.96	60.97	61.64	62.45	62.81	63.56	64.28	64.50
Coal, Coke & Coke Oven Gas	0.59	0.73	0.64	0.93	0.59	0.71	0.73	0.72	0.75	0.78	0.80	0.82	0.83	0.85
Electricity	121.86	122.36	125.77	121.63	121.51	123.72	124.23	121.85	121.64	122.90	122.08	121.69	121.72	122.67
Natural Gas	973.69	916.23	917.60	1 006.22	1 047.84	1 102.53	1 162.90	1 168.35	1 171.16	1 208.53	1 188.73	1 215.01	1 220.83	1 254.13
LPG & Petroleum Feedstocks	141.59	224.51	224.57	238.37	295.26	260.15	263.02	269.69	277.41	288.35	299.63	306.83	317.06	325.47
RPP	28.82	30.36	24.99	26.39	28.01	28.34	30.75	33.07	34.96	36.37	37.45	38.30	39.48	40.44
Still Gas & Petroleum Coke	165.77	165.48	192.50	189.13	184.87	178.48	185.44	261.54	360.12	386.16	441.15	484.70	558.33	622.82
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	10.04	11.17	9.73	9.80	8.42	7.95	7.84	7.62	7.52	7.55	7.49	7.39	7.19	6.95

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
29.96	30.03	30.20	30.42	30.67	31.15	31.44	31.86	32.14	34.01	33.94	33.80	33.90	33.97	34.12	34.20	34.33
6.79	6.72	6.67	6.61	6.57	6.53	6.50	6.47	6.45	6.43	6.40	6.38	6.36	6.34	6.32	6.29	6.27
11.57	11.45	11.36	11.27	11.19	11.12	11.07	11.03	10.99	10.95	10.91	10.87	10.84	10.80	10.76	10.72	10.69
38.13	38.59	39.21	39.88	40.60	41.73	42.51	43.49	44.22	47.80	47.87	47.80	48.17	48.45	48.86	49.15	49.50
6.07	6.01	5.96	5.91	5.87	5.83	5.81	5.78	5.77	5.74	5.72	5.70	5.68	5.66	5.64	5.62	5.61
11.71	11.59	11.50	11.41	11.32	11.26	11.21	11.16	11.13	11.09	11.05	11.01	10.97	10.93	10.89	10.85	10.82
16.54	16.67	16.86	17.08	17.32	17.71	17.98	18.32	18.58	19.93	19.93	19.88	20.00	20.09	20.23	20.32	20.44
5.65	5.60	5.55	5.51	5.47	5.44	5.41	5.39	5.37	5.35	5.34	5.32	5.30	5.28	5.26	5.24	5.22
8.39	8.30	8.24	8.17	8.11	8.06	8.03	8.00	7.97	7.94	7.91	7.89	7.86	7.83	7.80	7.78	7.75
20.56	20.36	20.20	20.04	19.89	19.78	19.69	19.61	19.54	19.47	19.40	19.34	19.27	19.20	19.13	19.07	19.00
16.43	16.27	16.14	16.01	15.89	15.80	15.73	15.67	15.62	15.56	15.50	15.45	15.40	15.34	15.29	15.24	15.18

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 688.54	**3 822.08**	**3 926.93**	**3 992.82**	**4 037.28**	**4 074.94**	**4 129.62**	**4 173.77**	**4 208.21**	**4 239.75**	**4 262.79**	**4 281.71**	**4 307.53**	**4 332.19**	**4 350.07**	**4 370.67**	**4 393.41**
1 691.30	1 790.38	1 880.10	1 934.69	1 978.95	2 020.27	2 082.42	2 140.20	2 179.92	2 219.35	2 250.01	2 279.81	2 310.93	2 340.54	2 365.69	2 391.46	2 417.92
224.14	227.01	228.70	229.98	230.11	229.84	229.89	229.11	228.96	228.54	228.28	228.04	228.25	228.35	228.15	228.18	228.45
1 700.17	1 731.25	1 743.45	1 752.46	1 752.38	1 749.04	1 741.41	1 728.62	1 723.31	1 715.66	1 708.02	1 696.83	1 690.30	1 684.86	1 677.94	1 672.78	1 668.59
65.21	65.92	67.20	68.29	68.55	68.63	68.87	68.95	69.22	69.51	69.89	70.49	71.54	71.97	71.86	71.87	72.11
7.71	7.53	7.48	7.41	7.29	7.15	7.03	6.90	6.80	6.69	6.60	6.53	6.52	6.48	6.42	6.38	6.34
245.79	**248.94**	**252.68**	**256.29**	**258.54**	**260.09**	**261.60**	**263.00**	**264.44**	**265.83**	**266.90**	**267.62**	**268.64**	**269.56**	**270.28**	**270.87**	**271.52**
0.61	0.62	0.63	0.64	0.65	0.66	0.66	0.67	0.67	0.68	0.69	0.69	0.69	0.70	0.70	0.70	0.71
37.78	38.50	39.33	40.17	40.82	41.36	41.91	42.43	42.98	43.51	44.01	44.47	45.01	45.56	46.09	46.61	47.16
206.27	208.75	211.69	214.50	216.14	217.19	218.19	219.10	220.02	220.91	221.53	221.81	222.32	222.72	222.94	223.03	223.15
1.08	1.03	0.98	0.94	0.89	0.84	0.80	0.76	0.73	0.69	0.66	0.62	0.59	0.56	0.53	0.51	0.48
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
362.37	**370.70**	**377.79**	**385.41**	**390.36**	**395.42**	**400.20**	**405.12**	**411.13**	**417.48**	**423.05**	**427.05**	**433.30**	**439.28**	**444.47**	**450.16**	**456.18**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.69	63.73	64.70	65.68	66.25	66.79	67.33	67.79	68.37	68.90	69.36	69.81	70.32	70.80	71.20	71.65	72.16
182.16	185.47	187.72	190.33	191.46	192.79	193.78	195.17	197.28	199.68	201.57	201.93	204.51	206.93	208.84	211.09	213.51
117.41	121.39	125.26	129.29	132.53	135.72	138.98	142.05	145.37	148.79	152.00	155.19	158.36	161.43	164.32	167.30	170.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12
2 538.81	**2 649.92**	**2 733.12**	**2 775.52**	**2 805.70**	**2 830.68**	**2 872.96**	**2 905.75**	**2 926.54**	**2 943.27**	**2 953.94**	**2 962.34**	**2 975.21**	**2 987.67**	**2 995.15**	**3 004.63**	**3 015.46**
64.61	65.30	66.57	67.65	67.90	67.98	68.21	68.28	68.55	68.83	69.20	69.81	70.84	71.27	71.16	71.16	71.40
0.85	0.86	0.88	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97
123.04	124.14	124.02	123.48	122.38	121.04	120.00	118.23	116.95	115.48	114.25	113.09	112.26	111.34	110.21	109.26	108.47
1 311.71	1 337.01	1 344.02	1 347.61	1 344.76	1 339.04	1 329.42	1 314.33	1 306.00	1 295.05	1 284.92	1 273.08	1 263.47	1 255.20	1 246.16	1 238.66	1 231.93
333.14	345.22	356.86	364.62	370.40	375.37	381.52	387.48	393.26	398.84	403.92	409.56	416.47	422.53	427.44	432.59	437.97
40.73	41.89	43.09	44.59	45.34	45.89	46.64	47.22	47.78	48.33	48.84	49.23	49.63	49.99	50.27	50.56	50.93
658.03	728.99	791.22	820.32	847.78	874.36	920.28	963.45	987.35	1 010.19	1 026.35	1 041.18	1 056.15	1 070.99	1 083.62	1 096.15	1 108.55
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.71	6.51	6.45	6.36	6.22	6.08	5.95	5.82	5.71	5.59	5.50	5.43	5.41	5.37	5.32	5.28	5.24

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**394.97**	**416.29**	**399.35**	**413.92**	**435.29**	**434.83**	**450.53**	**466.50**	**476.08**	**490.81**	**505.81**	**515.10**	**526.56**	**535.20**
Aviation Fuel	30.03	31.54	29.17	28.73	29.98	29.21	29.14	29.47	29.78	30.60	31.81	32.67	33.65	34.34
Diesel	185.20	193.46	179.31	198.60	214.00	213.37	222.92	231.54	236.16	243.41	250.01	253.64	258.88	263.41
Electric	0.26	0.26	0.41	0.43	0.52	0.52	0.54	0.56	0.57	0.58	0.60	0.61	0.62	0.63
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	4.41	4.39	3.47	3.08	2.98	2.76	2.60	2.42	2.20	2.02	1.84	1.67	1.50	1.35
Lubricants	1.57	1.39	1.29	1.40	1.47	1.50	1.58	1.66	1.72	1.80	1.87	1.92	1.98	2.03
Motor Gasoline	173.40	185.15	185.61	181.58	186.24	187.38	193.68	200.78	205.59	212.35	219.62	224.55	229.89	233.41
Natural Gas	0.10	0.10	0.09	0.09	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.04	0.03

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	2 325.14	2 365.74	2 416.60	2 542.22	2 682.60	2 715.34	2 819.82	2 937.15	3 063.64	3 169.17	3 243.86	3 338.63	3 451.23	3 574.90
Total Electric and Steam Energy Demand for Generation	602.85	619.06	591.06	589.94	584.25	679.41	654.49	648.99	649.87	663.72	691.22	686.84	682.76	684.87
Less Electricity and Steam Secondary Demand	209.53	214.26	217.98	205.65	210.66	214.73	217.91	217.99	219.51	223.35	224.78	225.75	227.59	229.78
Total Primary Demand	**2 718.45**	**2 770.54**	**2 789.68**	**2 926.51**	**3 056.20**	**3 180.02**	**3 256.40**	**3 368.15**	**3 494.00**	**3 609.54**	**3 710.30**	**3 799.72**	**3 906.40**	**4 029.99**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1 395.05	1 307.32	1 329.88	1 423.79	1 461.41	1 622.99	1 701.79	1 723.23	1 727.74	1 776.01	1 754.70	1 783.05	1 799.59	1 838.65
RPP	780.49	888.87	888.54	928.58	1 026.82	989.30	1 020.56	1 124.88	1 246.11	1 303.58	1 389.69	1 459.17	1 559.17	1 644.64
Coal, Coke and Coke Oven Gas	479.45	510.83	499.75	496.26	490.70	480.34	447.53	433.47	430.34	437.38	475.11	465.41	453.38	450.79
Hydro	6.32	5.16	6.19	6.28	6.75	6.82	6.82	6.82	8.40	8.40	8.40	8.40	8.40	8.40
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	57.14	58.37	65.33	71.61	70.51	80.56	79.70	79.74	81.40	84.18	82.39	83.69	85.85	87.51

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**18.68**	**18.43**	**18.54**	**19.01**	**19.34**	**19.04**	**18.80**	**18.79**	**18.94**	**18.78**	**18.55**	**18.63**	**18.70**	**18.90**
Residential (PJ/Personal Income)	2.32	1.94	2.16	2.19	2.07	2.13	2.10	2.06	2.02	1.98	1.95	1.92	1.89	1.86
Commercial (PJ/GO)	2.06	2.05	2.13	2.15	2.31	2.28	2.24	2.20	2.14	2.09	2.06	2.03	2.00	1.97
Industrial (PJ/GO)	13.87	13.65	14.31	15.32	15.35	15.60	15.29	15.37	15.63	15.62	15.41	15.61	15.83	16.23
Transportation (PJ/GDP)	3.17	3.24	3.06	3.10	3.14	3.05	3.00	2.99	2.94	2.91	2.89	2.87	2.85	2.83

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
541.57	**552.51**	**563.35**	**575.61**	**582.68**	**588.75**	**594.86**	**599.90**	**606.10**	**613.17**	**618.90**	**624.70**	**630.38**	**635.68**	**640.18**	**645.01**	**650.26**
34.98	35.85	36.84	37.90	38.69	39.44	40.22	40.93	41.70	42.49	43.26	43.96	44.78	45.61	46.41	47.22	48.06
266.34	272.04	277.05	283.21	286.39	289.07	291.79	293.84	296.80	300.54	303.37	306.63	309.36	311.88	313.92	316.33	319.06
0.63	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.21	1.08	0.98	0.88	0.78	0.69	0.62	0.56	0.49	0.44	0.39	0.34	0.30	0.27	0.24	0.21	0.18
2.07	2.13	2.20	2.26	2.31	2.36	2.41	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.84	2.89
236.31	240.75	245.62	250.70	253.83	256.52	259.16	261.46	263.94	266.48	268.62	270.45	272.57	274.52	276.16	277.75	279.40
0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 688.54	3 822.08	3 926.93	3 992.82	4 037.28	4 074.94	4 129.62	4 173.77	4 208.21	4 239.75	4 262.79	4 281.70	4 307.53	4 332.19	4 350.07	4 370.67	4 393.41
683.63	687.97	700.84	702.28	706.40	713.06	712.70	704.06	695.20	686.31	683.54	682.38	681.23	681.05	678.95	678.64	678.05
230.96	233.63	235.25	236.44	236.44	236.03	235.95	235.04	234.78	234.25	233.89	233.58	233.78	233.84	233.58	233.57	233.81
4 141.22	**4 276.42**	**4 392.52**	**4 458.66**	**4 507.24**	**4 551.98**	**4 606.36**	**4 642.79**	**4 668.63**	**4 691.82**	**4 712.44**	**4 730.50**	**4 754.98**	**4 779.41**	**4 795.44**	**4 815.74**	**4 837.65**
1 898.46	1 932.83	1 945.20	1 954.44	1 954.29	1 951.40	1 947.16	1 934.35	1 928.60	1 921.03	1 916.06	1 904.83	1 898.08	1 892.66	1 888.88	1 883.72	1 879.48
1 700.52	1 799.59	1 889.32	1 950.47	1 998.02	2 039.34	2 101.49	2 159.27	2 202.28	2 241.70	2 272.36	2 302.17	2 336.56	2 366.17	2 391.33	2 417.10	2 446.84
444.78	444.66	456.49	448.67	449.20	453.61	448.56	439.47	427.68	418.71	414.00	412.83	408.96	408.40	403.81	403.16	399.39
8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.05	90.93	93.10	96.67	97.33	99.23	100.75	101.30	101.68	101.98	101.67	102.28	102.98	103.77	103.02	103.36	103.55

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
19.04	**19.15**	**19.14**	**18.92**	**18.74**	**18.55**	**18.45**	**18.33**	**18.12**	**17.87**	**17.64**	**17.39**	**17.18**	**16.99**	**16.80**	**16.61**	**16.43**
1.84	1.81	1.78	1.75	1.73	1.70	1.67	1.65	1.62	1.60	1.57	1.55	1.52	1.50	1.47	1.45	1.43
1.95	1.93	1.91	1.89	1.87	1.85	1.83	1.82	1.80	1.79	1.77	1.75	1.75	1.74	1.73	1.72	1.71
16.71	17.06	17.13	16.90	16.78	16.68	16.67	16.65	16.51	16.35	16.16	15.98	15.79	15.62	15.47	15.31	15.15
2.80	2.77	2.75	2.73	2.71	2.68	2.66	2.63	2.61	2.59	2.56	2.54	2.51	2.49	2.47	2.45	2.43

Table A2.3: Demand, Reference Case and Continuing Trends, British Columbia

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	18.62	17.79	17.86	16.90	16.34	15.13	18.48	17.90	17.92	18.08	18.33	18.35	18.27	18.32
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	10.86	11.53	10.59	9.74	9.65	9.54	9.44
Light Fuel Oil	12.36	12.66	11.83	13.57	13.52	17.18	18.36	16.34	15.04	13.90	12.86	12.74	12.60	12.46
Commercial														
Electricity	16.92	16.36	16.32	15.32	13.57	12.61	15.63	15.13	15.13	15.28	15.49	15.51	15.44	15.49
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	9.66	10.35	9.42	8.57	8.49	8.40	8.31
Light Fuel Oil	12.36	12.66	11.83	13.57	13.73	17.39	18.55	16.52	15.22	14.08	13.04	12.91	12.77	12.63
Industrial														
Electricity	11.38	10.86	10.93	10.27	9.58	8.93	11.08	10.67	10.68	10.79	10.94	10.96	10.91	10.95
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	8.88	9.58	8.66	7.82	7.75	7.66	7.58
Heavy Fuel Oil	8.20	8.42	7.85	9.00	9.06	13.03	14.52	12.65	11.39	10.28	9.27	9.19	9.09	8.99
Transportation														
Gasoline	28.07	28.12	28.13	28.13	28.13	30.79	30.96	28.42	27.00	25.76	24.61	24.38	24.12	23.85
Diesel	21.30	22.94	20.98	21.67	21.67	24.77	25.38	23.08	21.71	20.51	19.42	19.23	19.02	18.81

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**1203.38**	**1176.37**	**1172.18**	**1162.28**	**1185.25**	**1177.44**	**1189.07**	**1189.94**	**1194.24**	**1212.22**	**1235.49**	**1246.94**	**1264.16**	**1274.08**
RPP[1,2]	394.60	389.83	393.81	394.22	417.14	429.35	439.11	445.01	448.92	457.75	470.69	478.00	487.77	495.09
Electric	216.36	208.03	208.41	213.84	217.60	220.22	223.57	224.51	227.06	231.25	235.46	237.05	239.73	240.93
Natural Gas	353.56	359.75	353.16	328.98	327.70	306.10	305.60	302.96	298.27	299.18	302.26	302.21	303.44	303.32
Biofuels & Emerging Energy[3]	220.71	196.66	196.99	203.62	199.42	192.59	189.24	185.89	187.96	190.81	192.46	194.60	197.41	198.45
Other[4]	18.14	22.10	19.81	21.62	23.38	29.17	31.56	31.56	32.05	33.21	34.62	35.08	35.81	36.30
Residential Sector	**150.13**	**147.90**	**148.27**	**143.02**	**144.37**	**152.87**	**158.94**	**163.00**	**165.21**	**168.37**	**173.25**	**174.77**	**177.72**	**179.47**
Biomass	6.67	6.75	6.89	6.53	6.41	6.87	7.18	7.42	7.60	7.80	8.07	8.19	8.39	8.52
Electricity	58.31	58.23	60.04	59.16	63.12	65.72	68.23	69.96	71.03	72.35	74.22	74.68	75.75	76.32
Natural Gas	78.58	76.08	79.28	75.22	72.59	77.96	81.21	83.34	84.37	86.05	88.81	89.81	91.56	92.66
RPP[2]	6.57	6.84	2.06	2.11	2.25	2.33	2.32	2.28	2.22	2.18	2.15	2.09	2.03	1.96
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**150.43**	**158.25**	**160.94**	**139.09**	**138.63**	**152.99**	**156.04**	**156.67**	**156.24**	**158.68**	**162.04**	**162.77**	**165.08**	**166.69**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	50.64	51.95	51.91	50.94	48.73	54.85	56.89	56.78	57.58	58.96	60.52	60.88	61.91	62.58
Natural Gas	91.40	96.16	94.98	76.06	76.11	83.13	83.92	84.42	82.87	83.38	84.48	84.56	85.33	85.87
RPP[2]	8.34	9.86	14.06	12.09	13.79	15.01	15.23	15.48	15.79	16.34	17.04	17.33	17.84	18.24
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.06	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**562.49**	**542.38**	**526.18**	**539.90**	**539.69**	**496.74**	**490.91**	**479.85**	**478.85**	**483.64**	**486.98**	**489.70**	**492.93**	**492.98**
Biomass	214.04	189.91	190.10	197.09	193.01	185.73	182.07	178.48	180.36	183.02	184.39	186.41	189.03	189.93
Coal, Coke & Coke Oven Gas	15.22	19.14	19.61	21.32	21.35	27.25	29.69	29.77	30.30	31.50	32.97	33.51	34.33	34.91
Electricity	106.99	97.43	95.94	103.20	105.26	99.15	98.93	97.25	97.92	99.41	100.17	100.94	101.51	101.46
Natural Gas	183.01	187.23	178.74	177.54	178.85	144.86	140.33	135.08	130.91	129.65	128.88	127.75	126.48	124.72
LPG & Petroleum Feedstocks	3.82	5.13	6.19	4.37	4.36	3.74	3.74	3.38	3.28	3.15	3.03	2.92	2.80	2.69
RPP[2]	20.34	24.48	19.39	20.79	19.83	20.12	20.61	20.65	20.73	21.07	21.29	21.67	21.99	22.29
Still Gas & Petroleum Coke	16.21	16.38	16.01	15.29	15.00	13.97	13.66	13.45	13.61	14.13	14.61	14.94	15.31	15.60
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	2.87	2.68	0.20	0.30	2.03	1.92	1.87	1.80	1.75	1.71	1.64	1.57	1.48	1.38

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
18.43	18.36	18.52	18.49	18.66	18.87	18.71	18.92	19.17	19.44	19.72	20.02	20.34	20.70	21.07	21.47	21.90
9.34	9.25	9.17	9.10	9.03	8.98	8.94	8.90	8.87	8.84	8.81	8.78	8.75	8.72	8.69	8.66	8.63
12.32	12.21	12.11	12.01	11.92	11.85	11.80	11.75	11.71	11.67	11.63	11.59	11.55	11.51	11.47	11.43	11.39
15.60	15.53	15.68	15.66	15.82	16.00	15.86	16.05	16.28	16.51	16.76	17.03	17.32	17.64	17.96	18.33	18.71
8.22	8.14	8.07	8.01	7.95	7.90	7.87	7.83	7.81	7.78	7.75	7.73	7.70	7.67	7.64	7.62	7.59
12.49	12.37	12.27	12.17	12.08	12.01	11.96	11.91	11.87	11.83	11.79	11.75	11.71	11.66	11.62	11.58	11.54
11.02	10.98	11.08	11.07	11.18	11.30	11.21	11.34	11.50	11.66	11.83	12.02	12.22	12.44	12.67	12.92	13.19
7.50	7.42	7.36	7.30	7.25	7.21	7.18	7.15	7.12	7.10	7.07	7.05	7.02	7.00	6.97	6.95	6.93
8.89	8.80	8.73	8.66	8.60	8.56	8.51	8.48	8.45	8.42	8.39	8.36	8.33	8.30	8.27	8.24	8.21
23.59	23.36	23.17	22.98	22.82	22.69	22.58	22.49	22.42	22.34	22.26	22.18	22.10	22.02	21.95	21.87	21.80
18.61	18.43	18.27	18.13	18.00	17.89	17.81	17.74	17.68	17.62	17.56	17.50	17.44	17.37	17.31	17.25	17.19

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1280.93	**1300.25**	**1324.00**	**1344.16**	**1356.07**	**1365.02**	**1376.29**	**1385.36**	**1398.46**	**1412.49**	**1425.89**	**1439.50**	**1455.10**	**1467.32**	**1475.74**	**1484.49**	**1495.12**
500.25	510.29	521.14	531.04	538.47	544.59	551.59	557.84	565.02	572.89	579.77	585.40	592.18	598.36	603.72	609.03	614.96
241.77	244.63	248.51	251.77	253.42	254.36	255.86	256.87	258.19	259.41	260.60	261.84	263.67	264.63	264.75	264.91	265.29
303.25	305.90	309.53	312.76	314.27	315.57	317.17	318.19	321.53	325.22	329.07	334.01	338.41	342.53	345.88	349.39	353.26
199.19	202.32	206.92	210.46	211.60	212.37	213.46	214.17	215.32	216.46	217.74	219.45	221.89	222.80	222.42	222.21	222.59
36.48	37.11	37.90	38.14	38.31	38.12	38.21	38.28	38.40	38.52	38.72	38.80	38.96	39.01	38.97	38.96	39.03
180.99	**183.75**	**186.74**	**189.38**	**191.30**	**192.71**	**194.23**	**195.66**	**197.02**	**198.36**	**199.54**	**200.51**	**201.71**	**202.74**	**203.63**	**204.39**	**205.22**
8.65	8.84	9.04	9.22	9.37	9.50	9.62	9.74	9.86	9.98	10.08	10.18	10.29	10.39	10.48	10.56	10.65
76.79	77.80	78.89	79.84	80.49	80.91	81.42	81.90	82.35	82.78	83.13	83.40	83.75	84.02	84.22	84.37	84.53
93.65	95.27	97.02	98.57	99.75	100.66	101.59	102.46	103.31	104.15	104.90	105.55	106.33	107.03	107.66	108.22	108.83
1.90	1.85	1.80	1.75	1.70	1.64	1.59	1.55	1.50	1.46	1.42	1.38	1.34	1.31	1.27	1.24	1.21
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168.22	**171.14**	**174.20**	**177.36**	**179.54**	**181.56**	**183.63**	**185.78**	**188.22**	**190.66**	**192.90**	**196.67**	**199.52**	**202.17**	**204.46**	**206.87**	**209.36**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.18	64.27	65.36	66.41	67.14	67.73	68.44	69.07	69.72	70.31	70.84	71.33	71.83	72.22	72.48	72.72	72.94
86.41	87.70	89.13	90.71	91.72	92.74	93.66	94.76	96.11	97.50	98.78	101.60	103.48	105.29	106.88	108.61	110.42
18.63	19.17	19.71	20.24	20.68	21.09	21.53	21.95	22.40	22.84	23.28	23.73	24.21	24.66	25.09	25.54	26.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
492.19	**497.15**	**505.57**	**511.66**	**513.17**	**513.97**	**515.45**	**515.70**	**519.06**	**522.83**	**527.17**	**531.52**	**537.62**	**541.21**	**542.10**	**543.42**	**545.96**
190.54	193.48	197.88	201.24	202.23	202.88	203.84	204.43	205.46	206.48	207.65	209.27	211.60	212.41	211.94	211.64	211.94
35.19	35.92	36.79	37.11	37.38	37.27	37.44	37.59	37.77	37.96	38.21	38.34	38.55	38.64	38.65	38.67	38.77
101.23	101.99	103.68	104.93	105.21	105.13	105.40	105.31	105.53	105.72	106.02	106.51	107.49	107.79	107.44	107.22	107.22
123.13	122.87	123.33	123.43	122.76	122.14	121.88	120.94	122.09	123.54	125.37	126.85	128.58	130.20	131.33	132.55	134.00
2.58	2.48	2.40	2.32	2.24	2.17	2.22	2.15	2.09	2.04	2.00	1.97	1.96	1.95	1.94	1.93	1.93
22.38	22.95	23.51	24.23	24.70	25.08	25.52	25.92	26.48	27.21	27.77	28.12	28.56	28.98	29.30	29.61	30.00
15.86	16.26	16.86	17.36	17.73	18.05	18.38	18.68	19.02	19.32	19.63	20.01	20.48	20.87	21.18	21.51	21.85
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.28	1.19	1.11	1.03	0.94	0.85	0.77	0.70	0.63	0.57	0.51	0.46	0.41	0.36	0.32	0.29	0.26

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**340.33**	**327.84**	**336.78**	**340.28**	**362.57**	**374.84**	**384.19**	**390.41**	**393.93**	**401.51**	**413.22**	**419.70**	**428.43**	**434.94**
Aviation Fuel	47.46	36.62	43.38	38.80	43.41	43.04	42.66	42.37	42.26	42.86	44.44	45.16	46.28	47.15
Diesel	116.78	116.57	118.83	124.03	131.94	140.24	145.14	147.74	148.62	151.12	154.44	157.18	160.31	162.82
Electric	0.43	0.42	0.52	0.54	0.50	0.50	0.51	0.52	0.52	0.53	0.55	0.55	0.56	0.56
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	6.42	8.39	8.48	8.95	9.13	9.27	9.41	9.55	9.69	9.84	9.99	10.14	10.29	10.44
LPG	4.91	5.02	4.60	4.17	4.15	4.09	3.99	3.89	3.75	3.68	3.64	3.58	3.54	3.49
Lubricants	1.90	1.81	2.03	2.03	2.03	2.12	2.21	2.28	2.35	2.43	2.52	2.58	2.66	2.72
Motor Gasoline	161.86	158.73	158.80	161.61	171.24	175.43	180.14	183.94	186.63	190.95	197.55	200.44	204.72	207.68
Natural Gas	0.58	0.28	0.16	0.16	0.16	0.15	0.14	0.13	0.11	0.10	0.09	0.08	0.08	0.07

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	1203.38	1176.37	1172.18	1162.28	1185.25	1177.44	1189.07	1189.94	1194.24	1212.22	1235.49	1246.94	1264.16	1274.08
Total Electric and Steam Energy Demand for Generation	257.41	227.62	226.64	220.36	210.93	279.76	284.61	285.39	287.61	291.92	298.85	302.03	307.55	313.33
Less Electricity and Steam Secondary Demand	219.23	210.71	208.61	214.13	219.64	222.14	225.44	226.31	228.79	232.96	237.10	238.62	241.21	242.31
Total Primary Demand	**1241.56**	**1193.28**	**1190.21**	**1168.50**	**1176.54**	**1235.05**	**1248.25**	**1249.02**	**1253.06**	**1271.17**	**1297.24**	**1310.35**	**1330.50**	**1345.11**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	392.14	407.52	366.84	343.30	340.78	348.22	346.20	342.46	337.45	339.49	344.39	344.34	347.91	349.57
RPP	396.54	392.45	394.26	394.66	417.42	430.55	440.30	446.21	450.12	458.95	471.89	479.20	488.97	496.29
Coal, Coke and Coke Oven Gas	15.28	19.42	19.61	21.32	21.35	27.25	29.69	29.77	30.30	31.50	32.97	33.51	34.33	34.91
Hydro	216.89	177.24	212.51	205.60	197.57	213.10	219.48	219.48	219.48	219.48	221.42	221.42	221.42	222.89
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	220.71	196.66	196.99	203.62	199.42	215.92	212.58	211.11	215.71	221.74	226.57	231.89	237.88	241.44

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.82**	**9.48**	**9.24**	**8.89**	**8.85**	**8.43**	**8.23**	**8.03**	**7.87**	**7.74**	**7.65**	**7.55**	**7.44**	**7.34**
Residential (PJ/Personal Income)	1.47	1.44	1.44	1.38	1.36	1.38	1.36	1.35	1.33	1.31	1.29	1.27	1.25	1.24
Commercial (PJ/GO)	1.04	1.07	1.07	0.91	0.88	0.93	0.91	0.90	0.88	0.86	0.85	0.84	0.82	0.81
Industrial (PJ/GO)	7.30	7.38	7.19	6.15	6.13	5.45	5.15	4.91	4.73	4.58	4.46	4.34	4.23	4.12
Transportation (PJ/GDP)	2.78	2.64	2.65	2.60	2.71	2.68	2.66	2.63	2.60	2.56	2.56	2.54	2.52	2.51

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non-energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
439.53	**448.21**	**457.48**	**465.76**	**472.06**	**477.18**	**482.97**	**488.23**	**494.16**	**500.64**	**506.28**	**510.89**	**516.24**	**521.20**	**525.55**	**529.81**	**534.58**
47.91	49.08	50.43	51.64	52.73	53.72	54.76	55.76	56.78	57.85	58.89	59.89	61.03	62.14	63.22	64.29	65.41
164.28	167.78	171.24	174.67	177.05	178.99	181.43	183.61	186.44	189.76	192.51	194.52	196.79	198.95	200.78	202.65	204.87
0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.60	10.76	10.92	11.08	11.25	11.42	11.59	11.76	11.94	12.12	12.30	12.48	12.67	12.86	13.05	13.25	13.45
3.45	3.44	3.45	3.46	3.46	3.45	3.46	3.47	3.49	3.51	3.53	3.56	3.59	3.62	3.64	3.67	3.70
2.78	2.86	2.95	3.03	3.10	3.17	3.24	3.31	3.38	3.45	3.52	3.60	3.67	3.75	3.82	3.89	3.96
209.89	213.67	217.88	221.25	223.84	225.81	227.87	229.70	231.52	233.33	234.91	236.23	237.87	239.27	240.42	241.45	242.57
0.06	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1280.93	1300.25	1324.00	1344.16	1356.06	1365.02	1376.29	1385.36	1398.46	1412.49	1425.89	1439.59	1455.10	1467.32	1475.74	1484.49	1495.12
316.47	319.99	321.98	323.57	336.26	336.94	337.95	339.19	340.45	341.86	343.26	344.69	346.30	347.63	348.71	349.79	350.95
243.05	245.82	249.62	252.80	254.35	255.21	256.63	257.57	258.82	259.98	261.10	262.30	264.08	264.99	265.07	265.20	265.54
1354.35	**1374.42**	**1396.36**	**1414.93**	**1437.97**	**1446.75**	**1457.61**	**1466.98**	**1480.09**	**1494.38**	**1508.05**	**1521.98**	**1537.32**	**1549.97**	**1559.37**	**1569.09**	**1580.52**
350.75	353.71	357.57	360.76	357.82	358.44	359.80	360.82	364.18	368.03	372.04	377.17	381.9	386.1	389.3	392.7	396.5
501.44	511.49	522.34	532.23	539.67	545.78	552.79	559.04	566.22	574.08	580.97	586.68	593.4	599.6	604.9	610.2	616.2
35.19	35.92	36.79	37.11	37.38	37.27	37.44	37.59	37.77	37.96	38.21	38.34	38.6	38.6	38.6	38.7	38.8
222.89	224.21	224.21	224.21	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.8	239.8	239.8	239.8	239.8
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0
244.08	249.09	255.45	260.62	263.26	265.40	267.74	269.69	272.08	274.46	276.98	279.94	283.6	285.8	286.6	287.7	289.3

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.23	**7.13**	**7.05**	**6.96**	**6.87**	**6.78**	**6.69**	**6.60**	**6.52**	**6.44**	**6.37**	**6.30**	**6.24**	**6.17**	**6.10**	**6.04**	**5.97**
1.22	1.20	1.19	1.17	1.15	1.14	1.12	1.11	1.09	1.07	1.06	1.04	1.03	1.01	0.99	0.98	0.96
0.80	0.79	0.79	0.78	0.77	0.76	0.76	0.75	0.74	0.74	0.73	0.73	0.73	0.72	0.72	0.71	0.71
4.03	3.94	3.86	3.78	3.70	3.63	3.56	3.49	3.43	3.37	3.32	3.27	3.23	3.18	3.14	3.09	3.04
2.48	2.46	2.44	2.41	2.39	2.37	2.35	2.33	2.30	2.28	2.26	2.24	2.21	2.19	2.17	2.15	2.13

Table A2.4: Demand, Reference Case and Continuing Trends, Manitoba

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	17.91	17.33	16.55	15.61	14.56	13.32	15.33	14.39	14.38	14.74	14.47	14.22	14.91	15.26
Natural Gas	9.41	9.42	9.24	9.41	9.66	10.55	11.52	11.54	12.20	11.26	10.40	10.30	10.19	10.08
Light Fuel Oil	7.22	7.57	7.77	7.85	7.85	11.91	13.48	11.66	10.41	9.30	8.31	8.23	8.14	8.05
Commercial														
Electricity	15.56	15.60	13.96	14.32	13.51	12.36	15.26	14.20	14.19	14.64	14.30	14.00	14.90	15.37
Natural Gas	6.60	7.25	6.58	7.05	7.23	8.29	9.44	9.53	10.22	9.29	8.45	8.37	8.28	8.19
Light Fuel Oil	7.22	7.57	7.77	7.85	7.97	12.02	13.58	11.76	10.50	9.40	8.40	8.32	8.23	8.14
Industrial														
Electricity	10.55	9.92	12.11	9.79	8.72	7.87	9.49	8.85	8.83	9.10	8.90	8.73	9.25	9.52
Natural Gas	5.48	6.10	5.96	6.10	6.23	7.36	8.57	8.71	9.40	8.48	7.65	7.57	7.49	7.41
Heavy Fuel Oil	4.79	5.03	5.16	5.21	5.28	9.52	11.26	9.53	8.30	7.22	6.24	6.18	6.11	6.04
Transportation														
Gasoline	26.46	26.26	26.23	26.23	26.23	29.02	29.31	26.85	25.45	24.22	23.08	22.86	22.61	22.37
Diesel	21.17	22.75	20.97	21.30	21.30	24.43	25.07	22.77	21.41	20.22	19.12	18.94	18.73	18.53

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**257.38**	**246.31**	**256.50**	**256.08**	**261.59**	**264.07**	**269.58**	**272.00**	**274.72**	**278.72**	**283.09**	**288.64**	**290.66**	**292.39**
RPP[1,2]	102.80	101.57	101.53	104.60	107.46	107.20	109.91	111.36	113.59	115.66	118.11	121.62	122.20	123.31
Electric	57.55	58.10	59.75	61.85	62.64	63.58	65.37	66.18	66.88	67.79	68.64	69.56	70.10	70.23
Natural Gas	86.67	76.45	84.80	79.05	80.80	82.45	83.48	83.70	83.36	84.14	85.06	86.01	86.74	87.17
Biofuels & Emerging Energy[3]	8.36	8.21	8.37	8.49	8.58	8.64	8.64	8.63	8.76	8.93	9.07	9.22	9.34	9.40
Other[4]	1.99	1.98	2.06	2.09	2.11	2.20	2.17	2.13	2.15	2.19	2.21	2.24	2.27	2.29
Residential Sector	**48.50**	**46.06**	**47.92**	**48.04**	**48.41**	**49.34**	**50.98**	**52.05**	**52.72**	**53.54**	**54.62**	**55.72**	**56.13**	**56.38**
Biomass	2.74	2.63	2.75	2.83	2.87	2.96	3.09	3.19	3.27	3.35	3.44	3.53	3.59	3.63
Electricity	19.39	19.85	20.80	21.39	21.73	22.05	22.83	23.41	23.85	24.29	24.84	25.40	25.61	25.73
Natural Gas	25.51	22.94	23.88	23.33	23.38	23.92	24.65	25.05	25.21	25.52	25.98	26.43	26.59	26.69
RPP	0.85	0.64	0.49	0.50	0.43	0.42	0.42	0.40	0.39	0.38	0.37	0.35	0.34	0.32
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**66.32**	**59.42**	**64.80**	**58.39**	**59.19**	**60.50**	**61.07**	**61.31**	**60.61**	**61.04**	**61.41**	**61.66**	**62.27**	**62.54**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	17.16	17.36	17.22	17.46	18.68	18.67	18.96	19.19	19.20	19.42	19.58	19.73	19.92	19.99
Natural Gas	44.59	37.66	42.49	37.71	37.41	38.58	38.95	39.07	38.49	38.76	39.05	39.23	39.73	40.02
RPP	4.57	4.40	5.10	3.22	3.09	3.24	3.15	3.04	2.92	2.86	2.78	2.70	2.62	2.54
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**51.25**	**51.14**	**54.84**	**56.20**	**57.09**	**57.31**	**58.35**	**58.05**	**58.97**	**59.88**	**60.48**	**61.56**	**61.87**	**62.02**
Biomass	5.62	5.58	5.62	5.66	5.71	5.69	5.55	5.44	5.49	5.59	5.63	5.68	5.76	5.77
Coal, Coke & Coke Oven Gas	1.99	1.98	2.06	2.09	2.11	2.19	2.17	2.13	2.15	2.19	2.21	2.24	2.27	2.29
Electricity	21.00	20.90	21.74	23.00	22.23	22.86	23.58	23.58	23.83	24.08	24.22	24.43	24.56	24.51
Natural Gas	16.54	15.81	18.39	17.98	19.97	19.91	19.84	19.54	19.61	19.82	20.00	20.30	20.39	20.42
LPG & Petroleum Feedstocks	1.36	1.47	1.83	2.63	2.85	2.47	2.83	2.91	3.00	3.07	3.12	3.18	3.24	3.29
RPP	4.80	5.40	5.20	4.82	4.21	4.17	4.35	4.44	4.89	5.12	5.29	5.71	5.63	5.73
Still Gas & Petroleum Coke	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
15.31	15.35	15.42	15.51	15.64	15.82	15.66	16.95	17.00	16.58	16.83	17.08	17.34	17.57	17.82	18.08	18.34
9.97	9.87	9.79	9.71	9.64	9.59	9.54	9.50	9.47	9.44	9.40	9.37	9.34	9.31	9.27	9.24	9.21
7.96	7.88	7.82	7.76	7.70	7.66	7.62	7.59	7.57	7.54	7.51	7.49	7.46	7.43	7.41	7.38	7.36
15.47	15.55	15.67	15.80	15.99	16.25	16.06	17.72	17.80	17.29	17.62	17.95	18.30	18.61	18.94	19.28	19.63
8.10	8.02	7.96	7.89	7.84	7.79	7.75	7.72	7.70	7.67	7.64	7.62	7.59	7.56	7.54	7.51	7.48
8.05	7.97	7.91	7.84	7.79	7.74	7.71	7.68	7.65	7.62	7.60	7.57	7.54	7.52	7.49	7.46	7.44
9.58	9.62	9.69	9.77	9.88	10.03	9.92	10.89	10.93	10.63	10.82	11.01	11.21	11.40	11.59	11.79	11.99
7.33	7.26	7.20	7.14	7.09	7.05	7.02	6.99	6.96	6.94	6.91	6.89	6.87	6.84	6.82	6.79	6.77
5.98	5.92	5.87	5.83	5.78	5.75	5.72	5.70	5.68	5.66	5.64	5.62	5.60	5.58	5.56	5.54	5.52
22.12	21.91	21.73	21.55	21.40	21.27	21.18	21.09	21.02	20.95	20.87	20.80	20.73	20.65	20.58	20.51	20.44
18.32	18.15	18.00	17.85	17.72	17.62	17.54	17.47	17.41	17.35	17.29	17.23	17.17	17.11	17.05	16.99	16.93

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
294.09	**298.72**	**303.55**	**308.91**	**309.39**	**311.87**	**314.31**	**317.48**	**319.87**	**322.30**	**324.73**	**326.78**	**329.95**	**332.49**	**334.42**	**336.57**	**338.97**
124.37	126.77	128.95	131.42	130.85	132.16	133.43	134.84	136.06	137.30	138.51	139.67	141.17	142.45	143.55	144.75	146.04
70.36	71.06	71.90	72.83	73.05	73.25	73.48	73.75	73.86	74.05	74.22	74.30	74.62	74.78	74.77	74.81	74.89
87.61	88.92	90.44	92.13	92.87	93.72	94.54	95.94	96.89	97.82	98.72	99.41	100.60	101.60	102.39	103.27	104.23
9.46	9.63	9.85	10.04	10.11	10.19	10.27	10.34	10.42	10.49	10.57	10.65	10.75	10.81	10.83	10.86	10.90
2.30	2.34	2.41	2.48	2.52	2.55	2.59	2.62	2.65	2.68	2.72	2.76	2.81	2.85	2.86	2.88	2.91
56.60	**57.29**	**57.96**	**58.86**	**58.81**	**59.05**	**59.28**	**59.45**	**59.58**	**59.72**	**59.83**	**59.86**	**60.03**	**60.13**	**60.20**	**60.25**	**60.32**
3.66	3.73	3.80	3.88	3.89	3.93	3.96	3.99	4.01	4.04	4.06	4.07	4.10	4.11	4.13	4.14	4.16
25.85	26.16	26.47	26.88	26.86	26.96	27.07	27.11	27.13	27.18	27.21	27.21	27.26	27.28	27.28	27.27	27.27
26.78	27.10	27.40	27.83	27.80	27.92	28.02	28.13	28.22	28.30	28.36	28.39	28.49	28.57	28.63	28.68	28.74
0.31	0.30	0.29	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.81	**63.66**	**64.50**	**65.52**	**66.33**	**66.82**	**67.29**	**68.62**	**69.22**	**69.86**	**70.43**	**70.70**	**71.44**	**72.08**	**72.50**	**73.17**	**73.78**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.04	20.26	20.47	20.72	20.90	20.97	21.05	21.33	21.39	21.48	21.55	21.53	21.63	21.69	21.72	21.76	21.81
40.32	41.01	41.69	42.51	43.19	43.66	44.09	45.16	45.74	46.31	46.84	47.15	47.80	48.39	48.89	49.43	50.00
2.45	2.39	2.33	2.29	2.24	2.19	2.14	2.13	2.09	2.06	2.04	2.02	2.01	2.00	1.99	1.98	1.98
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.22	**63.15**	**64.52**	**65.70**	**65.72**	**66.26**	**66.86**	**67.27**	**67.81**	**68.40**	**69.03**	**69.77**	**70.70**	**71.34**	**71.69**	**72.12**	**72.68**
5.79	5.90	6.05	6.17	6.22	6.26	6.31	6.35	6.40	6.45	6.51	6.58	6.66	6.70	6.70	6.72	6.75
2.30	2.34	2.41	2.48	2.52	2.55	2.59	2.62	2.65	2.68	2.72	2.76	2.81	2.85	2.86	2.88	2.91
24.47	24.63	24.96	25.22	25.29	25.31	25.37	25.32	25.34	25.39	25.46	25.56	25.74	25.81	25.77	25.77	25.82
20.46	20.77	21.30	21.76	21.84	22.10	22.38	22.61	22.89	23.17	23.47	23.83	24.26	24.60	24.84	25.12	25.44
3.34	3.41	3.50	3.58	3.63	3.68	3.73	3.78	3.84	3.89	3.95	4.01	4.09	4.15	4.19	4.24	4.30
5.84	6.08	6.29	6.48	6.22	6.34	6.47	6.58	6.68	6.80	6.90	7.01	7.14	7.23	7.30	7.37	7.45
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**91.31**	**89.69**	**88.94**	**93.46**	**96.91**	**96.92**	**99.19**	**100.59**	**102.42**	**104.27**	**106.58**	**109.70**	**110.39**	**111.46**
Aviation Fuel	7.87	7.54	7.09	7.68	6.37	6.28	6.32	6.38	6.47	6.67	6.99	7.34	7.45	7.56
Diesel	32.43	31.66	30.79	33.79	37.11	37.22	38.47	39.03	40.23	40.95	41.64	43.06	42.99	43.39
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.57	0.48	0.30	0.33	0.32	0.30	0.29	0.27	0.25	0.23	0.21	0.20	0.18	0.16
Lubricants	0.52	0.52	0.63	0.66	0.54	0.55	0.57	0.59	0.61	0.62	0.64	0.66	0.68	0.69
Motor Gasoline	49.89	49.46	50.10	50.97	52.52	52.53	53.51	54.28	54.83	55.75	57.06	58.41	59.06	59.62
Natural Gas	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	257.38	246.31	256.50	256.09	261.59	264.07	269.58	272.00	274.72	278.72	283.09	288.64	290.66	292.39
Total Electric and Steam Energy Demand for Generation	124.29	123.71	108.03	83.25	103.47	117.41	115.88	119.86	121.53	125.01	127.72	128.64	134.57	135.49
Less Electricity and Steam Secondary Demand	57.55	58.10	59.75	61.85	62.64	63.58	65.37	66.18	66.88	67.79	68.64	69.56	70.10	70.23
Total Primary Demand	**324.12**	**311.92**	**304.78**	**277.49**	**302.42**	**317.90**	**320.09**	**325.68**	**329.38**	**335.94**	**342.18**	**347.72**	**355.13**	**357.65**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	86.67	76.45	84.80	79.05	80.80	84.06	85.08	85.31	84.96	85.74	86.67	87.61	88.35	88.77
RPP	102.95	101.79	101.71	104.83	107.59	109.01	110.19	114.70	117.68	122.31	126.55	130.06	130.59	131.70
Coal, Coke and Coke Oven Gas	12.64	7.07	6.18	12.26	7.49	10.97	10.94	10.90	10.92	10.96	10.98	11.01	11.04	11.06
Hydro	113.50	118.40	103.72	72.86	97.96	104.78	104.78	104.78	104.78	104.78	104.78	104.78	109.84	109.84
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	8.36	8.21	8.37	8.49	8.58	9.09	9.09	9.99	11.04	12.14	13.20	14.26	15.30	16.28

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**7.89**	**7.30**	**7.52**	**7.48**	**7.43**	**7.26**	**7.18**	**7.08**	**6.97**	**6.88**	**6.81**	**6.76**	**6.66**	**6.59**
Residential (PJ/Personal Income)	1.88	1.78	1.84	1.83	1.80	1.81	1.79	1.77	1.74	1.72	1.70	1.68	1.66	1.63
Commercial (PJ/GO)	1.77	1.56	1.66	1.51	1.49	1.48	1.45	1.42	1.38	1.36	1.34	1.31	1.29	1.28
Industrial (PJ/GO)	2.43	2.27	2.33	2.29	2.25	2.20	2.14	2.07	2.00	1.96	1.92	1.87	1.86	1.83
Transportation (PJ/GDP)	2.80	2.69	2.61	2.73	2.75	2.67	2.64	2.62	2.60	2.57	2.56	2.57	2.53	2.51

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
112.46	**114.62**	**116.57**	**118.82**	**118.53**	**119.73**	**120.88**	**122.15**	**123.25**	**124.36**	**125.44**	**126.46**	**127.79**	**128.94**	**129.94**	**131.03**	**132.19**
7.67	7.86	8.05	8.28	8.40	8.55	8.70	8.85	9.00	9.15	9.30	9.45	9.63	9.81	9.98	10.16	10.34
43.79	44.72	45.53	46.37	45.70	46.22	46.78	47.39	47.93	48.49	49.04	49.61	50.28	50.87	51.39	51.97	52.61
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.15	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.02
0.70	0.72	0.74	0.76	0.77	0.79	0.80	0.82	0.83	0.85	0.86	0.88	0.90	0.91	0.93	0.94	0.96
60.12	61.16	62.09	63.26	63.52	64.04	64.48	64.98	65.39	65.78	66.15	66.44	66.90	67.27	67.58	67.89	68.22
0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
294.09	298.72	303.55	308.91	309.39	311.87	314.31	317.48	319.87	322.35	324.73	326.78	329.95	332.49	334.42	336.57	338.97
136.41	137.33	138.21	139.07	153.54	154.33	155.09	191.16	191.92	192.68	193.44	194.19	194.95	195.74	196.49	197.25	198.01
70.36	71.06	71.90	72.83	73.05	73.25	73.48	73.75	73.86	74.05	74.22	74.30	74.62	74.78	74.77	74.81	74.89
360.14	**364.99**	**369.86**	**375.15**	**389.88**	**392.95**	**395.91**	**434.89**	**437.93**	**440.97**	**443.95**	**446.68**	**450.28**	**453.45**	**456.14**	**459.02**	**462.09**
89.21	90.53	92.04	93.74	94.47	95.33	96.14	97.54	98.49	99.43	100.32	101.01	102.20	103.20	104.00	104.88	105.83
132.76	135.17	137.34	139.81	139.24	140.56	141.83	143.23	144.45	145.69	146.90	148.06	149.57	150.87	151.97	153.17	154.46
11.07	11.11	11.18	11.25	11.29	11.32	11.36	11.39	11.42	11.45	11.49	11.53	11.58	11.62	11.63	11.65	11.68
109.84	109.84	109.84	109.84	123.49	123.49	123.49	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.26	18.35	19.45	20.51	21.40	22.27	23.10	23.93	24.77	25.60	26.44	27.27	28.14	28.95	29.73	30.52	31.32

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.52	**6.45**	**6.38**	**6.32**	**6.22**	**6.15**	**6.09**	**5.98**	**5.91**	**5.85**	**5.79**	**5.73**	**5.67**	**5.62**	**5.57**	**5.52**	**5.47**
1.61	1.59	1.56	1.54	1.52	1.50	1.47	1.45	1.43	1.41	1.39	1.37	1.34	1.32	1.30	1.28	1.26
1.26	1.25	1.23	1.22	1.21	1.20	1.18	1.17	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.10	1.09
1.80	1.77	1.75	1.73	1.72	1.70	1.68	1.66	1.64	1.62	1.60	1.58	1.56	1.54	1.52	1.50	1.48
2.49	2.48	2.45	2.43	2.38	2.36	2.34	2.30	2.28	2.26	2.24	2.22	2.20	2.18	2.16	2.15	2.13

Table A2.5: Demand, Reference Case and Continuing Trends, New Brunswick

Section 1: End Use Energy Prices (C$2006/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	23.94	24.24	23.62	22.86	21.35	19.49	17.09	18.84	19.72	20.25	19.68	18.79	21.40	21.70
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	11.52	12.19	11.25	10.39	10.29	10.18	10.06
Light Fuel Oil	13.40	13.15	12.25	13.93	13.87	17.51	18.66	16.63	15.33	14.18	13.14	13.02	12.88	12.73
Commercial														
Electricity	25.73	25.34	28.23	25.49	23.67	21.84	19.19	21.45	22.59	23.28	22.60	21.49	24.84	25.26
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	9.23	9.92	8.99	8.16	8.08	7.99	7.90
Light Fuel Oil	13.40	13.15	12.25	13.93	14.10	17.73	18.86	16.82	15.52	14.37	13.33	13.20	13.06	12.92
Industrial														
Electricity	16.58	19.82	14.22	13.96	13.50	12.42	11.06	12.21	12.77	13.15	12.76	12.15	13.99	14.22
Natural Gas	4.61	4.68	5.23	5.21	5.33	6.52	7.80	7.96	8.66	7.75	6.92	6.86	6.78	6.71
Heavy Fuel Oil	9.36	9.17	8.54	9.72	9.77	13.70	15.14	13.25	11.98	10.86	9.85	9.76	9.65	9.56
Transportation														
Gasoline	28.80	28.43	28.82	28.82	28.82	31.43	31.55	28.99	27.57	26.32	25.17	24.93	24.65	24.38
Diesel	23.69	25.04	22.22	21.89	21.89	24.98	25.57	23.26	21.89	20.69	19.59	19.40	19.19	18.98

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**267.68**	**257.69**	**263.81**	**259.64**	**271.60**	**253.29**	**252.82**	**252.26**	**252.95**	**256.57**	**261.12**	**264.15**	**267.55**	**269.39**
RPP[1,2]	156.56	152.33	150.45	150.12	152.91	141.65	141.30	141.27	141.55	144.01	147.40	149.53	152.01	153.69
Electric	56.47	53.89	53.87	53.07	59.31	56.32	56.09	56.22	56.39	56.94	57.74	58.25	58.68	58.76
Natural Gas	0.34	0.34	2.76	2.42	3.57	3.25	3.38	3.78	4.00	4.21	4.49	4.72	4.96	5.16
Biofuels & Emerging Energy[3]	48.08	45.11	50.85	48.10	49.71	47.41	46.66	45.88	46.06	46.56	46.78	47.04	47.40	47.43
Other[4]	6.23	6.03	5.88	5.94	6.10	5.67	5.38	5.11	4.94	4.84	4.71	4.60	4.49	4.36
Residential Sector	**33.18**	**31.85**	**33.14**	**33.56**	**34.19**	**33.93**	**34.57**	**35.35**	**35.71**	**36.13**	**37.00**	**37.36**	**37.70**	**37.80**
Biomass	6.39	6.44	6.63	6.54	6.65	6.60	6.66	6.71	6.72	6.75	6.84	6.84	6.89	6.90
Electricity	17.92	17.87	18.68	19.26	19.87	19.75	20.28	20.71	20.96	21.21	21.73	21.95	22.17	22.23
Natural Gas	0.00	0.00	0.00	0.57	0.76	0.73	0.75	1.01	1.12	1.22	1.35	1.47	1.59	1.69
RPP	8.87	7.54	7.84	7.18	6.91	6.86	6.88	6.92	6.91	6.95	7.07	7.10	7.05	6.97
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**19.47**	**18.64**	**18.59**	**20.00**	**25.32**	**21.58**	**21.86**	**22.01**	**22.03**	**22.16**	**22.64**	**22.95**	**23.35**	**23.64**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	10.23	9.87	9.86	10.74	10.47	9.81	9.92	9.91	9.82	9.77	9.85	9.86	9.87	9.84
Natural Gas	0.00	0.00	0.00	0.51	0.96	0.89	1.00	1.13	1.23	1.32	1.43	1.53	1.63	1.72
RPP	9.24	8.77	8.73	8.95	13.90	10.88	10.94	10.97	10.98	11.08	11.36	11.56	11.85	12.08
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**138.19**	**131.07**	**136.07**	**130.19**	**134.53**	**121.54**	**119.72**	**117.77**	**117.89**	**119.75**	**120.98**	**122.08**	**123.40**	**124.11**
Biomass	41.69	38.67	44.22	41.56	43.06	40.81	40.00	39.16	39.34	39.82	39.94	40.20	40.51	40.54
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	28.32	26.15	25.34	23.56	28.97	25.77	25.89	25.60	25.61	25.96	26.16	26.44	26.64	26.68
Natural Gas	0.34	0.34	2.76	1.03	1.85	1.62	1.63	1.64	1.65	1.68	1.70	1.72	1.74	1.75
LPG & Petroleum Feedstocks	15.88	15.49	14.92	15.42	15.54	13.51	13.66	13.87	14.17	14.71	15.22	15.55	15.97	16.38
RPP	32.92	26.35	24.91	25.56	24.81	22.20	21.42	20.66	20.31	20.46	20.56	20.62	20.76	20.78
Still Gas & Petroleum Coke	12.82	18.05	18.05	17.11	14.20	11.95	11.74	11.73	11.87	12.28	12.69	12.94	13.28	13.63
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	6.23	6.03	5.88	5.94	6.10	5.67	5.38	5.11	4.94	4.84	4.71	4.60	4.49	4.35

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
22.31	22.27	22.30	22.35	22.45	22.18	22.49	22.90	23.39	23.96	24.62	25.36	25.05	26.02	27.17	28.42	29.99
9.95	9.86	9.78	9.70	9.63	9.57	9.53	9.49	9.46	9.43	9.39	9.36	9.33	9.29	9.26	9.23	9.20
12.59	12.47	12.37	12.27	12.18	12.11	12.06	12.01	11.97	11.93	11.88	11.84	11.80	11.76	11.72	11.68	11.64
26.07	26.06	26.12	26.22	26.38	26.05	26.47	27.01	27.66	28.41	29.27	30.23	29.85	31.11	32.58	34.18	36.20
7.82	7.74	7.68	7.62	7.56	7.52	7.48	7.45	7.43	7.40	7.38	7.35	7.32	7.30	7.27	7.25	7.22
12.78	12.65	12.55	12.45	12.36	12.29	12.23	12.18	12.14	12.10	12.05	12.01	11.97	11.93	11.89	11.85	11.80
14.65	14.64	14.67	14.72	14.81	14.62	14.85	15.15	15.50	15.90	16.37	16.90	16.69	17.37	18.18	19.06	20.16
6.63	6.57	6.51	6.46	6.42	6.38	6.35	6.33	6.30	6.28	6.26	6.24	6.22	6.19	6.17	6.15	6.13
9.44	9.35	9.27	9.20	9.13	9.08	9.04	9.00	8.97	8.94	8.91	8.88	8.85	8.82	8.78	8.75	8.72
24.12	23.88	23.69	23.50	23.33	23.19	23.09	23.00	22.92	22.84	22.76	22.68	22.60	22.52	22.44	22.36	22.28
18.77	18.59	18.44	18.29	18.16	18.06	17.97	17.90	17.84	17.78	17.72	17.65	17.59	17.53	17.47	17.41	17.35

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
271.06	**275.18**	**279.83**	**283.71**	**285.72**	**287.34**	**289.12**	**290.60**	**292.68**	**294.75**	**296.91**	**299.09**	**302.29**	**304.55**	**305.89**	**307.31**	**309.02**
155.38	158.50	161.58	164.13	165.74	167.18	168.67	170.06	171.90	173.77	175.66	177.53	179.91	181.92	183.55	185.23	187.05
58.72	59.17	59.81	60.31	60.42	60.46	60.53	60.53	60.59	60.61	60.64	60.65	60.87	60.87	60.67	60.45	60.25
5.35	5.58	5.82	6.06	6.23	6.39	6.56	6.70	6.86	7.01	7.17	7.30	7.46	7.60	7.72	7.84	7.97
47.39	47.79	48.54	49.18	49.37	49.43	49.55	49.56	49.65	49.73	49.84	50.04	50.48	50.61	50.44	50.31	50.29
4.22	4.13	4.09	4.04	3.96	3.88	3.81	3.74	3.69	3.64	3.60	3.57	3.57	3.56	3.51	3.49	3.47
37.81	**38.14**	**38.44**	**38.65**	**38.74**	**38.77**	**38.79**	**38.82**	**38.85**	**38.85**	**38.84**	**38.78**	**38.83**	**38.84**	**38.81**	**38.75**	**38.70**
6.89	6.95	7.00	7.03	7.04	7.03	7.03	7.03	7.03	7.03	7.03	7.02	7.03	7.04	7.04	7.04	7.05
22.24	22.41	22.57	22.67	22.70	22.70	22.69	22.68	22.66	22.61	22.55	22.46	22.43	22.36	22.27	22.14	22.00
1.79	1.91	2.02	2.13	2.23	2.31	2.40	2.48	2.56	2.63	2.70	2.77	2.84	2.91	2.98	3.04	3.11
6.89	6.87	6.85	6.82	6.77	6.72	6.67	6.64	6.60	6.58	6.55	6.53	6.52	6.52	6.52	6.52	6.54
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.91	**24.37**	**24.88**	**25.39**	**25.69**	**26.01**	**26.34**	**26.65**	**26.98**	**27.29**	**27.66**	**27.93**	**28.25**	**28.52**	**28.76**	**28.99**	**29.21**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.81	9.85	9.91	9.97	9.97	9.98	9.99	10.01	10.03	10.05	10.09	10.10	10.13	10.14	10.14	10.14	10.13
1.80	1.89	1.99	2.09	2.16	2.22	2.29	2.34	2.40	2.45	2.51	2.56	2.60	2.64	2.68	2.71	2.75
12.31	12.63	12.97	13.32	13.56	13.81	14.06	14.30	14.55	14.79	15.06	15.28	15.52	15.74	15.94	16.13	16.33
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.69	**126.53**	**128.99**	**130.91**	**131.78**	**132.32**	**133.04**	**133.54**	**134.41**	**135.29**	**136.21**	**137.37**	**139.13**	**140.21**	**140.58**	**141.07**	**141.80**
40.49	40.85	41.54	42.15	42.33	42.40	42.52	42.53	42.61	42.69	42.81	43.02	43.45	43.57	43.39	43.26	43.24
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.68	26.91	27.33	27.66	27.75	27.78	27.85	27.85	27.90	27.95	28.00	28.09	28.31	28.37	28.26	28.17	28.11
1.75	1.77	1.81	1.83	1.85	1.85	1.87	1.88	1.90	1.93	1.95	1.98	2.01	2.04	2.06	2.08	2.11
16.76	17.30	17.83	18.22	18.51	18.75	19.01	19.26	19.55	19.84	20.12	20.42	20.79	21.11	21.37	21.64	21.93
20.83	21.17	21.57	21.86	22.00	22.09	22.20	22.28	22.51	22.76	23.02	23.33	23.73	24.02	24.21	24.42	24.68
13.95	14.39	14.83	15.14	15.38	15.57	15.79	16.00	16.25	16.49	16.71	16.96	17.27	17.54	17.77	18.00	18.25
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.22	4.13	4.09	4.04	3.96	3.88	3.81	3.74	3.69	3.64	3.60	3.57	3.57	3.55	3.52	3.49	3.47

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**76.84**	**76.13**	**76.01**	**75.88**	**77.55**	**76.24**	**76.66**	**77.13**	**77.32**	**78.53**	**80.51**	**81.76**	**83.09**	**83.85**
Aviation Fuel	3.07	2.90	2.25	2.40	2.43	2.40	2.37	2.36	2.37	2.40	2.50	2.57	2.61	2.63
Diesel	37.15	35.88	35.50	34.92	36.57	35.69	36.16	36.48	36.47	37.21	38.08	38.71	39.42	39.87
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.45	0.78	0.80	0.78	0.85	0.86	0.87	0.89	0.90	0.91	0.93	0.94	0.95	0.97
LPG	0.11	0.13	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Lubricants	0.42	0.34	0.31	0.23	0.25	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.30
Motor Gasoline	35.64	36.10	37.12	37.53	37.43	37.02	36.99	37.13	37.30	37.71	38.71	39.23	39.81	40.07
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	267.68	257.69	263.81	259.64	271.60	253.29	252.82	252.26	252.95	256.57	261.12	264.15	267.55	269.39
Total Electric and Steam Energy Demand for Generation	181.37	202.82	175.42	177.22	220.55	179.53	186.49	184.12	172.55	132.06	164.74	170.87	169.01	168.40
Less Electricity and Steam Secondary Demand	62.71	59.92	59.75	59.00	65.41	60.99	61.47	61.34	61.33	61.79	62.45	62.85	63.17	63.11
Total Primary Demand	**386.35**	**400.60**	**379.47**	**377.86**	**426.73**	**371.83**	**377.83**	**375.04**	**364.16**	**326.85**	**363.41**	**372.17**	**373.38**	**374.68**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.34	0.34	2.76	2.42	17.11	15.67	15.81	16.20	16.42	16.64	16.91	17.15	17.39	17.58
RPP	243.75	253.96	233.93	220.72	263.49	198.26	204.87	201.81	204.40	212.70	214.88	212.60	216.78	217.82
Coal, Coke and Coke Oven Gas	36.40	41.13	40.26	39.97	35.71	37.65	37.65	37.65	37.65	34.29	26.34	26.34	22.50	22.50
Hydro	11.85	7.63	8.10	11.63	10.84	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08
Nuclear	45.93	52.43	43.58	55.01	49.87	58.18	58.18	58.18	43.63	0.00	41.17	51.05	50.67	50.03
Biofuels & Emerging Energy	48.08	45.11	50.85	48.10	49.71	52.00	51.24	51.12	51.97	53.14	54.02	54.94	55.97	56.66

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**14.15**	**13.44**	**13.34**	**13.20**	**13.34**	**12.39**	**12.05**	**11.83**	**11.70**	**11.62**	**11.52**	**11.42**	**11.32**	**11.22**
Residential (PJ/Personal Income)	2.00	1.91	2.01	2.04	2.05	2.01	1.99	1.98	1.96	1.94	1.91	1.89	1.86	1.84
Commercial (PJ/GO)	0.92	0.86	0.84	0.92	1.16	0.94	0.93	0.91	0.90	0.90	0.89	0.89	0.89	0.88
Industrial (PJ/GO)	8.34	7.62	7.49	7.67	6.26	6.20	6.03	5.88	5.79	5.69	5.60	5.53	5.45	5.39
Transportation (PJ/GDP)	4.06	3.97	3.84	3.86	3.81	3.73	3.65	3.62	3.58	3.56	3.55	3.54	3.52	3.49

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
84.64	**86.14**	**87.54**	**88.76**	**89.52**	**90.24**	**90.94**	**91.58**	**92.44**	**93.32**	**94.20**	**95.01**	**96.08**	**96.98**	**97.74**	**98.50**	**99.32**
2.66	2.71	2.76	2.81	2.85	2.89	2.93	2.98	3.02	3.07	3.12	3.16	3.22	3.28	3.34	3.39	3.45
40.35	41.22	42.04	42.70	43.15	43.54	43.96	44.33	44.91	45.52	46.14	46.75	47.45	48.05	48.56	49.09	49.66
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.98	1.00	1.01	1.03	1.04	1.06	1.07	1.09	1.11	1.12	1.14	1.16	1.17	1.19	1.21	1.23	1.25
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.30	0.31	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.39	0.40
40.34	40.90	41.40	41.89	42.15	42.41	42.63	42.83	43.04	43.24	43.44	43.57	43.85	44.07	44.24	44.40	44.55
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
271.06	275.18	279.83	283.71	285.72	287.34	289.12	290.60	292.68	294.75	296.91	299.09	302.29	304.55	305.89	307.31	309.02
167.69	167.84	178.00	178.92	169.99	170.11	170.14	169.97	169.91	169.87	190.83	190.74	191.43	191.42	189.91	189.48	189.08
62.95	63.31	63.90	64.34	64.38	64.34	64.34	64.27	64.27	64.25	64.24	64.22	64.44	64.43	64.18	63.93	63.72
375.81	**379.72**	**393.93**	**398.28**	**391.33**	**393.11**	**394.92**	**396.30**	**398.32**	**400.37**	**423.51**	**425.62**	**429.28**	**431.53**	**431.61**	**432.86**	**434.38**
17.77	18.00	18.25	18.48	18.65	18.82	18.98	19.13	19.28	19.43	19.59	19.73	19.88	20.02	26.13	26.25	26.38
218.76	221.72	234.41	221.04	220.21	221.87	223.39	224.71	226.53	228.37	194.67	196.51	199.36	201.41	195.79	197.29	198.94
22.50	22.50	22.50	38.86	32.24	32.07	31.91	31.74	31.58	31.43	22.27	22.27	22.27	22.27	22.27	22.27	22.27
10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08
49.42	49.06	49.06	49.11	48.93	48.72	48.63	48.45	48.34	48.22	113.69	113.39	113.36	113.06	112.57	112.08	111.59
57.28	58.35	59.64	60.71	61.21	61.56	61.92	62.17	62.51	62.83	63.20	63.64	64.33	64.70	64.78	64.90	65.13

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11.12	**11.03**	**10.94**	**10.84**	**10.75**	**10.65**	**10.56**	**10.46**	**10.37**	**10.28**	**10.18**	**10.10**	**10.04**	**9.97**	**9.89**	**9.81**	**9.74**
1.81	1.78	1.75	1.72	1.70	1.67	1.64	1.62	1.59	1.56	1.54	1.51	1.49	1.46	1.43	1.41	1.38
0.88	0.88	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.86	0.86	0.86	0.86	0.85	0.85	0.85	0.85
5.33	5.25	5.19	5.15	5.10	5.05	5.01	4.96	4.91	4.85	4.80	4.75	4.70	4.65	4.60	4.55	4.50
3.47	3.45	3.42	3.39	3.37	3.35	3.32	3.30	3.28	3.25	3.23	3.21	3.19	3.17	3.16	3.15	3.13

Table A2.6: Demand, Reference Case and Continuing Trends, Newfoundland and Labrador

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	22.76	21.09	22.17	21.60	20.95	20.49	21.59	22.34	22.38	22.11	22.01	21.98	21.96	21.85
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	11.52	12.19	11.25	10.39	10.29	10.18	10.06
Light Fuel Oil	15.19	15.00	13.65	14.90	14.85	18.43	19.51	17.44	16.14	14.98	13.94	13.80	13.65	13.50
Commercial														
Electricity	23.29	23.34	22.13	21.89	17.19	16.76	18.29	19.29	19.38	19.15	19.07	19.07	19.08	19.00
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	9.23	9.92	8.99	8.16	8.08	7.99	7.90
Light Fuel Oil	15.19	15.00	13.65	14.90	15.10	18.66	19.73	17.65	16.34	15.19	14.14	14.00	13.85	13.70
Industrial														
Electricity	5.91	5.85	5.07	5.99	6.77	6.49	10.52	12.97	13.22	12.91	12.85	12.90	13.00	12.97
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	7.96	8.66	7.75	6.92	6.86	6.78	6.71
Heavy Fuel Oil	10.59	10.48	9.52	10.39	10.46	14.34	15.73	13.81	12.54	11.42	10.40	10.30	10.19	10.08
Transportation														
Gasoline	31.26	31.17	31.17	31.17	31.17	33.62	33.57	30.93	29.49	28.23	27.06	26.80	26.51	26.22
Diesel	22.89	24.48	22.89	22.74	22.74	25.77	26.31	23.96	22.59	21.38	20.28	20.08	19.86	19.64

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**137.12**	**140.09**	**166.57**	**165.32**	**154.38**	**152.50**	**156.39**	**164.78**	**167.89**	**163.08**	**158.19**	**154.00**	**155.12**	**164.42**
RPP[1,2]	81.54	85.54	88.89	93.13	86.91	85.51	87.48	88.80	91.99	91.66	91.25	90.76	91.70	94.80
Electric	36.03	35.83	36.32	36.78	35.92	36.28	37.25	38.73	39.15	38.13	37.00	36.05	36.20	37.85
Natural Gas	6.48	6.98	28.04	21.42	18.47	17.75	18.47	23.59	23.35	19.90	16.60	13.92	13.89	18.33
Biofuels & Emerging Energy[3]	8.51	8.27	9.83	9.85	9.35	9.49	9.57	9.58	9.75	9.77	9.70	9.65	9.72	9.86
Other[4]	4.57	3.47	3.48	4.14	3.73	3.47	3.61	3.59	3.64	3.62	3.64	3.63	3.61	3.58
Residential Sector	**20.51**	**21.46**	**22.77**	**22.11**	**20.99**	**22.36**	**23.61**	**24.37**	**25.30**	**25.06**	**24.70**	**24.39**	**24.54**	**25.34**
Biomass	3.58	3.72	3.89	3.77	3.70	3.95	4.16	4.29	4.45	4.39	4.32	4.24	4.28	4.44
Electricity	11.22	11.66	12.22	12.25	12.33	13.02	13.76	14.16	14.65	14.46	14.17	13.93	14.01	14.46
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP[5]	5.71	6.08	6.67	6.09	4.96	5.39	5.70	5.91	6.20	6.21	6.21	6.22	6.25	6.44
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**11.79**	**12.69**	**13.80**	**14.93**	**14.38**	**14.46**	**14.66**	**14.83**	**14.84**	**14.80**	**14.70**	**14.63**	**14.78**	**15.18**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	7.18	7.30	7.57	7.65	7.66	7.88	8.08	8.22	8.25	8.24	8.18	8.13	8.20	8.41
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP[5]	4.61	5.39	6.23	7.28	6.72	6.58	6.58	6.61	6.59	6.55	6.52	6.50	6.58	6.78
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**55.54**	**56.71**	**80.40**	**75.69**	**66.69**	**63.79**	**64.54**	**70.53**	**70.78**	**66.85**	**63.14**	**59.99**	**60.35**	**66.30**
Biomass	4.93	4.55	5.94	6.08	5.64	5.54	5.42	5.29	5.30	5.37	5.39	5.40	5.43	5.42
Coal, Coke & Coke Oven Gas	4.57	3.47	3.48	4.14	3.73	3.47	3.61	3.59	3.64	3.62	3.64	3.63	3.61	3.58
Electricity	17.64	16.87	16.54	16.88	15.94	15.38	15.41	16.35	16.25	15.43	14.65	14.00	14.00	14.98
Natural Gas	6.48	6.98	28.04	21.42	18.47	17.75	18.47	23.59	23.35	19.90	16.60	13.92	13.89	18.33
LPG & Petroleum Feedstocks	1.01	1.01	0.87	0.57	0.74	0.79	0.86	1.07	1.14	1.10	1.04	0.98	1.01	1.22
RPP[5]	15.15	13.95	14.14	16.17	13.69	12.55	12.33	12.06	12.30	12.26	12.31	12.30	12.36	12.47
Still Gas & Petroleum Coke	5.77	9.89	11.39	10.42	8.48	8.32	8.42	8.58	8.79	9.17	9.53	9.77	10.05	10.35
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
21.61	21.37	21.09	20.36	20.17	20.14	20.18	20.23	20.34	20.40	20.46	20.51	20.57	20.60	20.63	20.66	20.72
9.95	9.86	9.78	9.70	9.63	9.57	9.53	9.49	9.46	9.43	9.39	9.36	9.33	9.29	9.26	9.23	9.20
13.35	13.23	13.12	13.01	12.92	12.84	12.79	12.74	12.69	12.65	12.60	12.56	12.51	12.47	12.43	12.38	12.34
18.83	18.63	18.41	17.70	17.54	17.55	17.64	17.73	17.88	17.98	18.08	18.17	18.27	18.33	18.39	18.46	18.56
7.82	7.74	7.68	7.62	7.56	7.52	7.48	7.45	7.43	7.40	7.38	7.35	7.32	7.30	7.27	7.25	7.22
13.55	13.42	13.31	13.20	13.10	13.03	12.97	12.92	12.88	12.83	12.78	12.74	12.69	12.65	12.61	12.56	12.52
12.95	12.89	12.75	11.78	11.71	11.89	12.16	12.44	12.82	13.10	13.41	13.68	13.96	14.18	14.41	14.65	14.94
6.63	6.57	6.51	6.46	6.42	6.38	6.35	6.33	6.30	6.28	6.26	6.24	6.22	6.19	6.17	6.15	6.13
9.97	9.87	9.79	9.71	9.64	9.59	9.54	9.51	9.47	9.44	9.41	9.37	9.34	9.31	9.28	9.24	9.21
25.93	25.68	25.47	25.27	25.08	24.94	24.83	24.73	24.64	24.56	24.47	24.38	24.30	24.21	24.13	24.04	23.96
19.43	19.24	19.08	18.93	18.80	18.69	18.60	18.53	18.47	18.40	18.33	18.27	18.21	18.14	18.08	18.02	17.95

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
170.69	**175.13**	**181.26**	**180.38**	**177.49**	**172.93**	**168.66**	**165.18**	**162.42**	**163.38**	**161.39**	**159.48**	**158.87**	**158.26**	**157.79**	**156.58**	**156.04**
99.00	99.71	102.14	101.83	101.49	100.63	99.79	99.25	98.99	101.06	100.99	100.95	101.33	101.68	102.00	102.14	102.47
38.52	39.60	40.73	40.34	39.78	38.89	38.06	37.37	36.79	36.23	35.77	35.32	35.09	34.86	34.62	34.24	33.98
19.65	22.23	24.50	23.25	21.28	18.54	16.01	13.83	11.96	10.21	8.80	7.42	6.61	5.98	5.51	4.63	4.09
9.97	10.07	10.27	10.39	10.38	10.32	10.27	10.23	10.21	10.33	10.31	10.29	10.30	10.28	10.23	10.18	10.14
3.55	3.52	3.54	4.56	4.56	4.55	4.53	4.50	4.47	5.54	5.52	5.51	5.50	5.47	5.44	5.39	5.35
26.01	**26.21**	**26.74**	**26.25**	**26.02**	**25.63**	**25.25**	**25.00**	**24.78**	**24.61**	**24.41**	**24.19**	**24.07**	**23.95**	**23.80**	**23.68**	**23.55**
4.57	4.62	4.73	4.65	4.62	4.55	4.49	4.46	4.43	4.40	4.37	4.34	4.33	4.31	4.30	4.27	4.26
14.83	14.94	15.24	14.96	14.83	14.62	14.41	14.27	14.15	14.06	13.95	13.82	13.75	13.69	13.62	13.53	13.46
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.61	6.65	6.78	6.64	6.57	6.46	6.35	6.27	6.20	6.15	6.09	6.03	5.99	5.95	5.92	5.87	5.83
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.35	**15.94**	**16.25**	**16.49**	**16.49**	**16.44**	**16.40**	**16.38**	**16.39**	**16.43**	**16.45**	**16.45**	**16.49**	**16.53**	**16.56**	**16.58**	**16.61**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.48	8.82	8.98	9.10	9.08	9.03	8.99	8.95	8.93	8.93	8.91	8.89	8.88	8.87	8.86	8.83	8.82
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.87	7.13	7.28	7.39	7.40	7.40	7.41	7.43	7.46	7.50	7.54	7.57	7.61	7.66	7.71	7.74	7.79
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.64	**72.22**	**76.05**	**77.71**	**75.52**	**72.23**	**69.21**	**66.58**	**64.42**	**65.69**	**64.14**	**62.69**	**62.08**	**61.53**	**61.03**	**60.01**	**59.45**
5.40	5.45	5.54	5.74	5.76	5.77	5.78	5.78	5.78	5.93	5.93	5.94	5.97	5.97	5.93	5.90	5.88
3.55	3.52	3.54	3.67	3.66	3.62	3.59	3.55	3.51	3.61	3.57	3.55	3.53	3.50	3.46	3.41	3.37
15.22	15.84	16.51	16.28	15.86	15.24	14.67	14.14	13.71	13.24	12.91	12.61	12.46	12.30	12.13	11.88	11.70
19.65	22.23	24.50	23.25	21.28	18.54	16.01	13.83	11.96	10.21	8.80	7.42	6.61	5.98	5.51	4.63	4.09
1.31	1.46	1.59	1.69	1.63	1.52	1.41	1.33	1.25	1.32	1.27	1.22	1.20	1.18	1.17	1.14	1.12
12.89	12.74	12.94	14.58	14.63	14.64	14.66	14.67	14.72	16.73	16.79	16.87	16.99	17.06	17.10	17.13	17.17
10.62	10.98	11.34	11.60	11.80	11.97	12.15	12.33	12.53	12.72	12.91	13.11	13.36	13.57	13.75	13.93	14.13
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.89	0.91	0.93	0.94	0.95	0.96	1.94	1.95	1.96	1.97	1.97	1.98	1.98	1.98

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**49.29**	**49.23**	**49.60**	**52.60**	**52.32**	**51.90**	**53.59**	**54.56**	**56.98**	**56.37**	**55.65**	**54.99**	**55.45**	**57.60**
Aviation Fuel	5.94	5.93	5.26	7.29	7.91	7.72	7.83	7.89	8.10	8.00	7.94	7.88	7.96	8.27
Diesel	22.80	22.75	23.35	24.06	24.37	24.29	25.17	25.65	27.14	26.87	26.49	26.13	26.39	27.51
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.11	0.10	0.11	0.09	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Motor Gasoline	20.42	20.43	20.88	21.16	19.97	19.80	20.50	20.93	21.65	21.40	21.12	20.89	21.00	21.71
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	137.12	140.09	166.57	165.32	154.38	152.50	156.39	164.28	167.89	163.08	158.19	154.00	155.12	164.42
Total Electric and Steam Energy Demand for Generation	165.15	163.75	175.64	165.70	161.75	172.03	174.68	178.63	181.72	179.18	176.42	174.11	169.24	172.57
Less Electricity and Steam Secondary Demand	36.03	35.83	36.32	36.78	35.92	36.28	37.25	38.73	39.15	38.13	37.00	36.05	36.20	37.85
Total Primary Demand	**266.24**	**268.01**	**305.88**	**294.25**	**280.21**	**288.25**	**293.82**	**304.18**	**310.46**	**304.14**	**297.61**	**292.06**	**288.16**	**299.14**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	6.48	6.88	28.04	21.42	18.47	20.07	20.80	25.91	25.57	22.10	18.77	16.07	16.04	20.50
RPP[1]	92.46	108.09	113.87	113.90	104.36	108.48	113.09	117.90	125.33	122.38	119.14	116.24	112.00	117.79
Coal, Coke and Coke Oven Gas	4.57	3.47	3.48	4.14	3.73	3.47	3.61	3.59	3.64	3.62	3.64	3.63	3.61	3.58
Hydro	154.23	141.30	150.66	144.94	144.31	146.74	146.74	146.74	145.81	145.58	145.33	145.13	145.11	145.37
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	8.51	8.27	9.83	9.85	9.35	9.49	9.57	9.94	10.10	10.46	10.73	11.00	11.40	11.91

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**11.36**	**11.43**	**12.27**	**11.80**	**10.96**	**10.92**	**10.55**	**10.75**	**10.61**	**10.37**	**10.21**	**10.09**	**10.01**	**10.05**
Residential (PJ/Personal Income)	1.95	1.98	2.09	2.01	1.87	1.97	1.95	1.92	1.90	1.88	1.85	1.83	1.81	1.79
Commercial (PJ/GO)	0.91	0.96	1.01	1.08	1.05	1.03	1.01	1.00	0.98	0.97	0.96	0.96	0.95	0.94
Industrial (PJ/GO)	7.02	6.65	8.63	8.66	6.86	6.51	6.43	6.73	6.04	5.70	5.39	5.14	5.10	5.42
Transportation (PJ/GDP)	4.08	4.02	3.65	3.79	3.71	3.72	3.62	3.57	3.60	3.58	3.59	3.60	3.58	3.52

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
60.70	**60.76**	**62.21**	**59.94**	**59.47**	**58.64**	**57.81**	**57.22**	**56.82**	**56.64**	**56.39**	**56.15**	**56.19**	**56.25**	**56.35**	**56.32**	**56.43**
8.53	8.65	8.87	8.74	8.70	8.61	8.50	8.42	8.36	8.33	8.29	8.25	8.27	8.29	8.33	8.35	8.38
29.73	29.48	30.27	28.61	28.41	28.03	27.69	27.46	27.37	27.40	27.41	27.44	27.59	27.76	27.94	28.06	28.26
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11
22.33	22.52	22.96	22.48	22.25	21.90	21.52	21.23	20.99	20.80	20.59	20.35	20.22	20.09	19.97	19.81	19.68
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
170.69	175.13	181.26	180.38	177.49	172.93	168.66	165.18	162.42	163.38	161.39	159.48	158.82	158.26	157.79	156.58	156.04
174.00	219.08	221.70	220.72	219.47	217.64	215.09	213.90	212.89	211.93	211.15	210.39	210.00	209.63	209.26	208.62	208.22
38.52	39.60	40.73	41.23	40.69	39.82	39.00	38.32	37.76	38.17	37.72	37.28	37.06	36.83	36.60	36.22	35.97
386.17	**354.61**	**362.24**	**359.87**	**356.27**	**350.75**	**344.75**	**340.76**	**337.56**	**337.14**	**334.82**	**332.58**	**331.76**	**331.08**	**330.45**	**328.98**	**328.29**
21.83	24.42	26.80	25.46	23.47	20.71	25.24	22.96	21.00	19.09	17.50	15.88	14.75	13.82	13.06	11.72	10.88
122.97	125.39	129.94	128.47	126.79	124.13	113.71	112.07	110.86	112.10	111.38	110.77	110.98	111.15	111.30	111.19	111.34
3.55	3.52	3.54	3.67	3.66	3.62	3.59	3.55	3.51	3.61	3.57	3.55	3.53	3.50	3.46	3.41	3.37
145.44	188.44	188.60	188.52	188.39	188.21	188.05	187.92	187.79	187.68	187.59	187.50	187.44	187.39	187.34	187.26	187.21
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.37	12.83	13.36	13.75	13.96	14.08	14.17	14.27	14.39	14.66	14.78	14.90	15.06	15.20	15.30	15.39	15.50

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
10.07	**9.95**	**9.94**	**9.93**	**9.83**	**9.70**	**9.58**	**9.47**	**9.35**	**9.40**	**9.29**	**9.19**	**9.11**	**9.03**	**8.96**	**8.88**	**8.80**
1.76	1.74	1.72	1.69	1.67	1.65	1.63	1.62	1.60	1.58	1.56	1.54	1.52	1.49	1.47	1.45	1.43
0.94	0.93	0.92	0.91	0.91	0.91	0.90	0.90	0.89	0.89	0.89	0.88	0.88	0.88	0.87	0.87	0.86
4.93	5.42	5.55	6.17	6.00	5.77	5.55	5.33	5.14	5.08	4.92	4.77	4.66	4.56	4.48	4.36	4.27
3.56	3.45	3.41	3.30	3.29	3.29	3.28	3.28	3.27	3.26	3.25	3.23	3.22	3.21	3.20	3.19	3.18

Table A2.7: Demand, Reference Case and Continuing Trends, Northwest Territories

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	90.90	73.47	57.39	59.29	83.18	85.49	89.69	106.14	113.81	107.95	102.82	97.77	93.26	92.47
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	10.86	11.53	10.59	9.74	9.65	9.54	9.44
Light Fuel Oil	15.90	15.80	14.90	17.19	17.14	20.56	21.48	19.34	18.01	16.84	15.78	15.63	15.46	15.28
Commercial														
Electricity	83.43	67.70	52.36	49.59	67.58	68.65	72.05	85.86	92.28	87.35	83.05	78.82	75.07	74.43
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	9.66	10.35	9.42	8.57	8.49	8.40	8.31
Light Fuel Oil	15.90	15.80	14.90	17.19	17.41	20.81	21.71	19.56	18.23	17.06	15.99	15.84	15.67	15.49
Industrial														
Electricity	38.74	37.74	36.22	34.69	32.18	33.53	35.42	41.44	44.35	42.14	40.20	38.28	36.56	36.24
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	8.88	9.58	8.66	7.82	7.75	7.66	7.58
Heavy Fuel Oil	10.56	10.49	9.89	11.41	11.48	15.29	16.60	14.66	13.38	12.25	11.22	11.12	10.99	10.87
Transportation														
Gasoline	33.21	33.33	33.53	33.53	33.53	35.82	35.60	32.88	31.42	30.14	28.95	28.68	28.37	28.05
Diesel	25.90	26.03	25.74	25.34	25.34	28.20	28.55	26.11	24.72	23.50	22.37	22.16	21.92	21.68

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**17.95**	**24.06**	**19.38**	**17.34**	**17.02**	**16.17**	**16.01**	**16.05**	**16.03**	**16.11**	**16.18**	**16.98**	**17.55**	**17.77**
RPP[1,2]	11.50	14.95	11.31	10.15	10.11	10.19	10.49	10.70	10.84	11.03	11.20	12.01	12.55	12.79
Electric	1.88	1.90	1.96	2.21	2.28	2.26	2.34	2.34	2.35	2.35	2.35	2.38	2.41	2.42
Natural Gas	4.42	7.05	5.96	4.82	4.46	3.57	3.01	2.82	2.64	2.52	2.42	2.37	2.35	2.32
Biofuels & Emerging Energy[3]	0.14	0.16	0.15	0.16	0.16	0.16	0.18	0.19	0.20	0.21	0.21	0.23	0.24	0.24
Other[4]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**2.14**	**2.10**	**2.08**	**1.88**	**1.91**	**1.92**	**2.04**	**2.13**	**2.20**	**2.24**	**2.28**	**2.37**	**2.46**	**2.49**
Biomass	0.14	0.16	0.15	0.16	0.16	0.16	0.17	0.19	0.20	0.20	0.21	0.22	0.23	0.24
Electricity	0.38	0.37	0.40	0.40	0.41	0.41	0.43	0.45	0.46	0.46	0.46	0.47	0.49	0.49
Natural Gas	0.16	0.15	0.14	0.17	0.18	0.17	0.17	0.17	0.16	0.15	0.15	0.14	0.14	0.13
RPP	1.47	1.41	1.40	1.16	1.17	1.18	1.26	1.33	1.39	1.43	1.46	1.54	1.60	1.64
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**3.21**	**3.28**	**2.84**	**3.39**	**3.19**	**3.32**	**3.37**	**3.41**	**3.46**	**3.53**	**3.57**	**3.67**	**3.76**	**3.82**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.60	0.62	0.63	0.65	0.66	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.78	0.79
Natural Gas	1.18	1.71	1.19	1.65	1.00	1.15	1.16	1.18	1.18	1.21	1.22	1.25	1.27	1.28
RPP	1.43	0.95	1.01	1.10	1.52	1.45	1.47	1.49	1.53	1.57	1.59	1.65	1.71	1.75
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**4.82**	**7.70**	**7.17**	**5.52**	**5.20**	**4.27**	**3.72**	**3.47**	**3.27**	**3.13**	**3.01**	**2.95**	**2.92**	**2.89**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.91	0.91	0.94	1.17	1.21	1.13	1.17	1.16	1.15	1.15	1.14	1.14	1.14	1.14
Natural Gas	3.08	5.19	4.62	3.01	3.28	2.24	1.67	1.47	1.29	1.16	1.06	0.98	0.94	0.91
LPG & Petroleum Feedstocks	0.11	0.12	0.15	0.14	0.13	0.15	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15
RPP	0.72	1.49	1.46	1.20	0.58	0.74	0.71	0.68	0.67	0.67	0.67	0.68	0.68	0.69
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
92.19	92.40	95.64	101.42	104.70	104.74	104.95	105.25	105.64	105.92	106.07	106.51	107.93	111.36	111.93	112.56	113.29
9.34	9.25	9.17	9.10	9.03	8.98	8.94	8.90	8.87	8.84	8.81	8.78	8.75	8.72	8.69	8.66	8.63
15.12	14.97	14.85	14.73	14.62	14.54	14.47	14.42	14.37	14.32	14.27	14.22	14.17	14.12	14.07	14.02	13.97
74.22	74.44	77.23	82.13	84.92	84.98	85.18	85.45	85.81	86.07	86.21	86.61	87.82	90.71	91.22	91.77	92.40
8.22	8.14	8.07	8.01	7.95	7.90	7.87	7.83	7.81	7.78	7.75	7.73	7.70	7.67	7.64	7.62	7.59
15.32	15.18	15.05	14.93	14.82	14.74	14.67	14.61	14.56	14.51	14.46	14.41	14.36	14.31	14.26	14.21	14.16
36.10	36.16	37.28	39.41	40.63	40.62	40.68	40.77	40.91	41.00	41.03	41.18	41.70	43.00	43.21	43.43	43.69
7.50	7.42	7.36	7.30	7.25	7.21	7.18	7.15	7.12	7.10	7.07	7.05	7.02	7.00	6.97	6.95	6.93
10.75	10.65	10.56	10.48	10.40	10.34	10.30	10.26	10.22	10.18	10.15	10.11	10.08	10.04	10.01	9.97	9.94
27.75	27.48	27.25	27.04	26.84	26.68	26.56	26.46	26.37	26.28	26.18	26.09	26.00	25.91	25.82	25.73	25.64
21.44	21.23	21.06	20.89	20.74	20.62	20.52	20.44	20.37	20.30	20.23	20.16	20.09	20.02	19.95	19.88	19.81

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
17.60	**45.46**	**59.15**	**59.42**	**59.60**	**59.73**	**60.18**	**60.32**	**60.73**	**61.49**	**61.82**	**85.12**	**85.04**	**85.23**	**85.35**	**85.43**	**85.58**
12.67	14.15	15.01	15.20	15.33	15.42	15.64	15.75	16.11	16.81	17.11	17.89	17.78	17.93	18.03	18.09	18.22
2.41	3.31	3.68	3.66	3.63	3.59	3.59	3.57	3.55	3.55	3.53	3.98	3.96	3.93	3.90	3.87	3.85
2.27	26.07	37.60	37.58	37.57	37.55	37.70	37.70	37.70	37.72	37.73	57.90	57.91	57.92	57.93	57.94	57.96
0.24	0.51	0.66	0.68	0.70	0.72	0.73	0.74	0.75	0.77	0.78	1.07	1.08	1.09	1.10	1.11	1.12
0.00	1.40	2.20	2.30	2.38	2.45	2.51	2.56	2.61	2.64	2.67	4.28	4.32	4.35	4.38	4.41	4.44
2.49	**2.63**	**2.70**	**2.73**	**2.75**	**2.76**	**2.79**	**2.80**	**2.84**	**2.90**	**2.93**	**2.99**	**2.99**	**3.02**	**3.03**	**3.04**	**3.06**
0.24	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32
0.48	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.55
0.12	0.12	0.11	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05
1.64	1.74	1.80	1.83	1.86	1.87	1.90	1.91	1.95	2.00	2.02	2.07	2.07	2.09	2.11	2.12	2.14
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.85	**4.04**	**4.17**	**4.25**	**4.31**	**4.35**	**4.43**	**4.50**	**4.59**	**4.69**	**4.78**	**4.88**	**4.95**	**5.03**	**5.10**	**5.17**	**5.24**
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03
0.79	0.82	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.89
1.27	1.32	1.35	1.37	1.39	1.40	1.42	1.44	1.46	1.49	1.52	1.54	1.56	1.58	1.60	1.62	1.64
1.78	1.88	1.96	2.01	2.05	2.09	2.14	2.19	2.24	2.31	2.36	2.41	2.45	2.50	2.55	2.59	2.64
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03
2.86	**29.86**	**42.99**	**43.07**	**43.12**	**43.16**	**43.39**	**43.42**	**43.44**	**43.46**	**43.47**	**66.58**	**66.60**	**66.61**	**66.62**	**66.62**	**66.63**
0.00	0.22	0.35	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.43	0.69	0.69	0.70	0.71	0.71	0.71
0.00	0.50	0.79	0.83	0.86	0.88	0.90	0.92	0.93	0.94	0.95	1.52	1.53	1.54	1.55	1.55	1.56
1.14	1.99	2.32	2.30	2.26	2.23	2.23	2.20	2.17	2.15	2.13	2.56	2.54	2.51	2.47	2.44	2.42
0.88	24.63	36.13	36.10	36.08	36.06	36.19	36.18	36.16	36.15	36.14	56.29	56.29	56.28	56.27	56.27	56.26
0.15	0.30	0.36	0.37	0.38	0.39	0.40	0.40	0.40	0.41	0.41	0.54	0.54	0.54	0.55	0.55	0.55
0.69	1.30	1.60	1.61	1.62	1.63	1.64	1.65	1.66	1.67	1.68	2.20	2.21	2.22	2.23	2.23	2.24
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
0.00	0.89	1.40	1.46	1.52	1.56	1.60	1.64	1.66	1.69	1.71	2.73	2.76	2.79	2.81	2.83	2.84

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**7.78**	**10.98**	**7.29**	**6.55**	**6.71**	**6.68**	**6.89**	**7.04**	**7.10**	**7.21**	**7.32**	**8.00**	**8.41**	**8.57**
Aviation Fuel	1.62	3.02	1.95	1.85	1.98	1.84	1.87	1.88	1.90	1.91	1.94	2.02	2.08	2.11
Diesel	4.75	6.46	4.17	3.45	3.48	3.59	3.73	3.82	3.82	3.89	3.96	4.48	4.78	4.91
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Lubricants	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Motor Gasoline	1.38	1.48	1.16	1.22	1.23	1.20	1.27	1.32	1.36	1.39	1.41	1.48	1.52	1.53
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	17.95	24.06	19.38	17.34	17.02	16.18	16.01	16.05	16.03	16.11	16.18	16.98	17.55	17.77
Total Electric and Steam Energy Demand for Generation	2.19	2.42	1.71	1.32	1.37	5.04	5.34	5.36	5.37	5.37	5.37	5.44	5.55	5.59
Less Electricity and Steam Secondary Demand	1.88	1.90	1.96	2.21	2.29	2.26	2.34	2.34	2.35	2.36	2.35	2.38	2.41	2.42
Total Primary Demand	**18.26**	**24.58**	**19.13**	**16.44**	**16.10**	**18.96**	**19.01**	**19.06**	**19.04**	**19.13**	**19.20**	**20.05**	**20.69**	**20.94**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	4.42	7.05	5.96	4.82	4.46	3.82	3.30	3.12	2.94	2.83	2.72	2.69	2.68	2.65
RPP	12.81	16.49	12.19	10.66	10.62	13.94	14.50	14.72	14.87	15.06	15.23	16.10	16.74	17.02
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.89	0.89	0.84	0.81	0.86	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.14	0.16	0.15	0.16	0.16	0.16	0.18	0.19	0.20	0.21	0.21	0.23	0.24	0.24

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**14.67**	**17.57**	**13.67**	**10.87**	**10.08**	**9.43**	**9.00**	**8.75**	**8.53**	**8.33**	**8.21**	**8.22**	**8.20**	**8.12**
Residential (PJ/Personal Income)	2.55	2.36	2.27	2.04	2.01	2.07	2.05	2.03	2.01	1.99	1.98	1.96	1.94	1.93
Commercial (PJ/GO)	1.20	1.16	0.96	1.13	1.03	1.04	1.02	1.00	0.99	0.99	0.99	0.98	0.98	0.98
Industrial (PJ/GO)	3.32	4.34	3.95	3.02	2.70	2.13	1.76	1.60	1.48	1.37	1.29	1.09	0.99	0.95
Transportation (PJ/GDP)	6.36	8.02	5.14	4.11	3.98	3.88	3.87	3.84	3.78	3.73	3.72	3.87	3.93	3.91

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.41	**8.93**	**9.28**	**9.37**	**9.42**	**9.45**	**9.57**	**9.60**	**9.86**	**10.43**	**10.63**	**10.67**	**10.50**	**10.57**	**10.60**	**10.60**	**10.65**
2.09	2.21	2.27	2.29	2.31	2.32	2.34	2.35	2.38	2.45	2.47	2.53	2.53	2.56	2.58	2.59	2.61
4.79	5.12	5.38	5.44	5.48	5.50	5.60	5.62	5.84	6.32	6.49	6.46	6.30	6.35	6.36	6.35	6.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1.51	1.59	1.62	1.63	1.62	1.62	1.62	1.61	1.62	1.65	1.65	1.67	1.66	1.65	1.65	1.64	1.64
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
17.60	45.46	59.15	59.42	59.60	59.73	60.18	60.32	60.73	61.49	61.82	85.12	85.04	85.23	85.35	85.43	85.58
5.57	8.44	9.65	9.61	9.51	9.37	9.38	9.31	9.26	9.26	9.21	10.74	10.66	10.59	10.51	10.43	10.37
2.42	4.21	5.08	5.13	5.15	5.16	5.20	5.21	5.22	5.24	5.25	6.73	6.73	6.73	6.72	6.71	6.71
20.75	**49.69**	**63.71**	**63.91**	**63.96**	**63.95**	**64.35**	**64.43**	**64.76**	**65.51**	**65.78**	**89.13**	**88.96**	**89.09**	**89.14**	**89.15**	**89.24**
2.60	29.47	43.88	43.86	43.82	43.77	43.92	43.90	43.88	43.90	43.90	66.33	66.29	66.28	66.25	66.21	66.20
16.87	18.16	17.35	17.51	17.57	17.56	17.78	17.86	18.19	18.89	19.13	19.27	19.12	19.24	19.31	19.34	19.43
0.00	0.51	0.80	0.83	0.86	0.89	0.91	0.92	0.94	0.95	0.96	1.53	1.54	1.55	1.56	1.57	1.58
1.03	1.03	1.02	1.02	1.02	1.01	1.01	1.01	1.01	1.01	1.01	0.93	0.93	0.93	0.92	0.92	0.92
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.24	0.51	0.66	0.68	0.70	0.72	0.73	0.74	0.75	0.77	0.78	1.07	1.08	1.09	1.10	1.11	1.12

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.00	**18.96**	**23.70**	**23.36**	**23.09**	**22.84**	**22.54**	**22.26**	**21.87**	**21.37**	**21.02**	**27.89**	**27.54**	**27.08**	**26.69**	**26.33**	**25.94**
1.91	1.89	1.87	1.85	1.83	1.81	1.79	1.77	1.75	1.72	1.70	1.68	1.66	1.63	1.61	1.59	1.56
0.97	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.93	0.91	0.91	0.91	0.90	0.90	0.90
0.96	9.49	12.56	12.31	12.11	11.95	11.80	11.64	11.12	10.19	9.86	14.36	14.65	14.45	14.34	14.28	14.15
3.82	3.72	3.72	3.68	3.65	3.61	3.58	3.54	3.55	3.63	3.62	3.50	3.40	3.36	3.31	3.27	3.23

Table A2.8: Demand, Reference Case and Continuing Trends, Nova Scotia

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	29.49	26.95	29.84	27.54	25.36	23.91	27.41	27.07	27.51	27.73	27.96	27.85	27.83	27.87
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	11.52	12.19	11.25	10.39	10.29	10.18	10.06
Light Fuel Oil	13.92	13.57	12.96	15.20	15.15	18.71	19.77	17.69	16.38	15.23	14.18	14.04	13.89	13.74
Commercial														
Electricity	22.83	21.58	24.52	24.68	22.74	21.42	25.56	25.32	25.83	26.11	26.40	26.35	26.38	26.48
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	9.23	9.92	8.99	8.16	8.08	7.98	7.90
Light Fuel Oil	13.92	13.57	12.96	15.20	15.39	18.93	19.97	17.89	16.57	15.42	14.37	14.23	14.07	13.92
Industrial														
Electricity	18.71	19.12	20.81	14.89	18.65	17.55	21.71	21.46	21.96	22.25	22.54	22.53	22.59	22.72
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	7.96	8.66	7.75	6.92	6.86	6.78	6.71
Heavy Fuel Oil	9.71	9.46	9.04	10.61	10.68	14.54	15.91	13.99	12.72	11.59	10.58	10.48	10.36	10.25
Transportation														
Gasoline	29.72	29.40	29.30	29.30	29.30	31.88	31.96	29.39	27.96	26.71	25.55	25.31	25.04	24.76
Diesel	23.71	25.01	22.49	22.52	22.52	25.57	26.12	23.78	22.41	21.21	20.10	19.91	19.69	19.48

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**204.41**	**206.30**	**220.55**	**227.84**	**226.54**	**222.39**	**220.40**	**223.47**	**228.19**	**227.80**	**233.67**	**230.62**	**232.11**	**229.92**
RPP[1,2]	151.09	153.24	161.82	163.90	165.00	159.20	158.12	158.71	163.50	163.57	167.95	167.18	169.33	168.36
Electric	34.83	35.87	35.88	36.70	37.13	37.96	38.03	38.22	38.52	38.73	39.12	39.05	39.23	39.04
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.78	6.93	9.32	8.74	7.90	8.80	6.55	5.54	4.52
Biofuels & Emerging Energy[3]	13.12	13.26	15.74	17.73	16.14	17.44	17.31	17.21	17.41	17.61	17.79	17.84	18.00	17.97
Other[2]	0.42	0.33	0.24	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
Residential Sector	**40.74**	**42.25**	**42.02**	**42.95**	**34.92**	**42.28**	**42.91**	**43.89**	**44.90**	**45.23**	**46.27**	**46.32**	**46.66**	**46.42**
Biomass	4.71	4.71	4.68	4.67	4.70	5.96	6.08	6.22	6.38	6.44	6.59	6.59	6.66	6.64
Electricity	13.31	14.30	14.78	14.46	14.81	16.62	16.89	17.21	17.55	17.62	17.92	17.86	17.97	17.85
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.27	0.33	0.41	0.48	0.55	0.61
RPP	22.33	22.93	22.33	23.81	15.40	19.70	19.94	20.27	20.69	20.85	21.34	21.39	21.48	21.31
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.39	0.32	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**24.29**	**26.49**	**26.12**	**31.34**	**30.97**	**32.35**	**32.27**	**32.36**	**32.29**	**32.58**	**32.94**	**33.17**	**33.64**	**33.92**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	11.18	11.50	11.78	12.19	11.98	11.62	11.61	11.60	11.51	11.53	11.54	11.51	11.53	11.49
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.11	0.13	0.15	0.17	0.19
RPP	13.10	14.99	14.34	19.15	18.99	20.73	20.66	20.70	20.70	20.94	21.27	21.51	21.94	22.24
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**58.78**	**59.74**	**72.60**	**71.34**	**64.89**	**61.26**	**59.19**	**60.82**	**61.53**	**61.11**	**63.08**	**60.69**	**60.27**	**59.08**
Biomass	8.41	8.56	11.06	13.06	11.44	11.48	11.23	10.98	11.03	11.17	11.20	11.25	11.34	11.33
Coal, Coke & Coke Oven Gas	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
Electricity	10.33	10.07	9.31	10.03	10.32	9.70	9.51	9.39	9.44	9.55	9.63	9.65	9.70	9.67
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.78	6.93	9.08	8.39	7.46	8.26	5.92	4.82	3.73
LPG & Petroleum Feedstocks	6.34	7.96	13.43	4.14	3.87	3.70	3.77	3.81	3.90	4.04	4.15	4.23	4.32	4.35
RPP	18.68	15.92	16.57	17.63	16.41	15.37	14.75	14.53	15.58	15.28	15.83	15.39	15.53	15.10
Still Gas & Petroleum Coke	10.04	13.64	15.36	16.97	14.59	13.22	12.99	13.02	13.17	13.60	14.00	14.24	14.56	14.89
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
27.89	28.03	28.12	28.41	28.50	28.67	28.89	29.03	29.33	29.63	29.96	30.25	30.63	30.99	31.41	31.87	32.36
9.95	9.86	9.78	9.70	9.63	9.57	9.53	9.49	9.46	9.43	9.39	9.36	9.33	9.29	9.26	9.23	9.20
13.59	13.46	13.34	13.24	13.14	13.07	13.01	12.96	12.91	12.87	12.82	12.78	12.73	12.69	12.64	12.60	12.55
26.57	26.79	26.93	27.30	27.45	27.69	27.97	28.17	28.53	28.90	29.29	29.65	30.10	30.53	31.01	31.54	32.10
7.82	7.74	7.68	7.62	7.56	7.52	7.48	7.45	7.43	7.40	7.38	7.35	7.32	7.30	7.27	7.25	7.22
13.77	13.63	13.52	13.41	13.32	13.24	13.18	13.13	13.08	13.04	12.99	12.94	12.90	12.85	12.81	12.76	12.72
22.84	23.08	23.24	23.62	23.78	24.03	24.32	24.53	24.89	25.26	25.65	26.01	26.45	26.87	27.34	27.86	28.40
6.63	6.57	6.51	6.46	6.42	6.38	6.35	6.33	6.30	6.28	6.26	6.24	6.22	6.19	6.17	6.15	6.13
10.14	10.04	9.96	9.88	9.81	9.75	9.70	9.67	9.63	9.60	9.56	9.53	9.50	9.46	9.43	9.40	9.37
24.49	24.25	24.05	23.86	23.69	23.55	23.45	23.35	23.27	23.19	23.11	23.03	22.95	22.87	22.79	22.71	22.63
19.26	19.08	18.92	18.77	18.63	18.53	18.44	18.37	18.31	18.24	18.18	18.11	18.05	17.99	17.92	17.86	17.80

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
230.07	**32.37**	**235.04**	**237.39**	**238.63**	**239.75**	**240.38**	**241.45**	**242.48**	**243.52**	**244.67**	**245.89**	**247.90**	**249.41**	**250.60**	**251.86**	**253.21**
169.35	71.74	174.19	176.32	177.63	178.85	179.93	180.93	181.88	182.86	183.94	185.09	186.87	188.30	189.56	190.87	192.25
38.95	39.20	39.53	39.78	39.84	39.86	39.85	39.84	39.84	39.83	39.81	39.79	39.87	39.88	39.81	39.75	39.71
3.79	3.27	2.90	2.65	2.47	2.33	1.85	1.92	1.98	2.04	2.10	2.16	2.22	2.28	2.33	2.38	2.43
17.97	18.15	18.41	18.61	18.68	18.71	18.74	18.74	18.76	18.78	18.80	18.83	18.93	18.94	18.88	18.83	18.81
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46.39	**46.72**	**47.04**	**47.25**	**47.33**	**47.32**	**47.27**	**47.21**	**47.10**	**46.97**	**46.84**	**46.66**	**46.61**	**46.51**	**46.39**	**46.26**	**46.13**
6.66	6.72	6.78	6.82	6.85	6.86	6.86	6.86	6.86	6.85	6.84	6.82	6.82	6.81	6.79	6.78	6.76
17.82	17.93	18.03	18.08	18.09	18.07	18.03	18.00	17.94	17.88	17.82	17.75	17.72	17.67	17.62	17.56	17.50
0.67	0.74	0.80	0.86	0.92	0.97	1.03	1.07	1.11	1.15	1.19	1.22	1.26	1.29	1.32	1.35	1.38
21.24	21.34	21.43	21.48	21.46	21.42	21.35	21.28	21.19	21.09	21.00	20.88	20.82	20.74	20.66	20.57	20.48
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.23	**34.79**	**35.35**	**35.94**	**36.35**	**36.76**	**37.17**	**37.57**	**37.98**	**38.38**	**38.75**	**39.08**	**39.47**	**39.82**	**40.15**	**40.46**	**40.77**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.46	11.52	11.58	11.64	11.65	11.66	11.68	11.69	11.71	11.73	11.74	11.74	11.76	11.76	11.77	11.76	11.76
0.20	0.22	0.24	0.26	0.28	0.29	0.31	0.32	0.33	0.34	0.36	0.37	0.38	0.38	0.39	0.40	0.41
22.57	23.05	23.53	24.04	24.42	24.81	25.18	25.56	25.94	26.31	26.66	26.98	27.34	27.67	27.99	28.29	28.60
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.59	**58.93**	**59.70**	**60.31**	**60.54**	**60.73**	**60.61**	**60.98**	**61.45**	**61.94**	**62.47**	**63.15**	**64.07**	**64.76**	**65.21**	**65.72**	**66.32**
11.31	11.43	11.63	11.79	11.83	11.85	11.88	11.88	11.90	11.93	11.96	12.01	12.11	12.13	12.09	12.05	12.05
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9.65	9.74	9.90	10.03	10.07	10.10	10.12	10.13	10.16	10.19	10.23	10.29	10.38	10.42	10.41	10.41	10.42
2.91	2.31	1.86	1.53	1.28	1.07	0.52	0.53	0.54	0.56	0.56	0.57	0.59	0.60	0.62	0.63	0.64
4.39	4.48	4.65	4.80	4.92	5.03	5.14	5.24	5.36	5.47	5.58	5.71	5.87	6.01	6.12	6.24	6.37
15.12	15.34	15.59	15.78	15.86	15.91	15.98	16.02	16.07	16.15	16.28	16.45	16.70	16.91	17.07	17.25	17.46
15.19	15.62	16.06	16.36	16.58	16.76	16.96	17.17	17.40	17.64	17.85	18.10	18.41	18.68	18.90	19.13	19.37
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**80.60**	**77.82**	**79.81**	**82.21**	**86.76**	**86.49**	**86.02**	**86.41**	**89.48**	**88.88**	**91.39**	**90.43**	**91.53**	**90.49**
Aviation Fuel	6.90	6.23	6.37	7.09	9.66	9.40	9.18	9.12	9.19	9.23	9.48	9.54	9.70	9.70
Diesel	27.80	27.10	28.23	29.10	30.82	31.19	31.08	31.22	33.51	32.66	33.89	32.81	33.16	32.23
Electric	0.00	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	2.91	2.25	2.30	2.30	2.35	2.39	2.42	2.46	2.50	2.54	2.57	2.61	2.65	2.69
LPG	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.03
Lubricants	0.32	0.28	0.29	0.25	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.29
Motor Gasoline	42.60	41.86	42.53	43.38	43.60	43.18	43.00	43.27	43.93	44.11	45.09	45.13	45.67	45.52
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	204.41	206.30	220.56	227.84	226.54	222.39	220.40	223.47	228.19	227.80	233.67	230.62	232.11	229.92
Total Electric and Steam Energy Demand for Generation	117.69	89.01	80.96	95.23	100.40	95.42	103.45	101.71	100.45	97.91	97.17	95.90	96.09	95.37
Less Electricity and Steam Secondary Demand	34.83	35.87	35.88	36.70	37.13	37.96	38.03	38.22	38.52	38.73	39.12	39.05	39.23	39.05
Total Primary Demand	**287.26**	**259.43**	**265.64**	**286.36**	**289.81**	**279.85**	**285.82**	**286.96**	**290.12**	**286.99**	**291.72**	**287.48**	**288.97**	**286.24**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.80	6.94	9.34	8.76	7.92	8.82	6.57	5.56	4.54
RPP[1]	167.32	164.34	165.34	181.72	183.83	194.60	194.88	195.32	199.62	200.12	204.07	203.02	190.07	188.77
Coal, Coke and Coke Oven Gas	98.54	75.57	73.87	73.37	78.25	51.84	58.52	56.31	54.92	51.33	50.40	48.79	63.47	62.45
Hydro	3.33	2.56	3.72	3.92	3.23	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	13.12	13.38	15.86	17.85	16.25	22.22	22.09	22.61	23.43	24.25	25.05	25.73	26.50	27.10

Section 4: Ratios	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**4.36**	**4.08**	**4.73**	**4.64**	**4.17**	**3.96**	**3.78**	**3.81**	**3.55**	**3.51**	**3.40**	**3.34**	**3.23**	**3.19**
Residential (PJ/Personal Income)	1.94	1.98	1.97	2.03	1.63	1.94	1.92	1.91	1.88	1.87	1.84	1.82	1.80	1.77
Commercial (PJ/GO)	0.87	0.93	0.89	1.06	1.30	1.03	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.93
Industrial (PJ/GO)	9.09	8.87	9.12	9.37	9.02	8.76	8.49	8.44	8.40	8.25	8.25	8.07	7.96	7.82
Transportation (PJ/GDP)	3.58	3.35	3.30	3.38	3.45	3.41	3.31	3.26	3.29	3.22	3.23	3.16	3.14	3.08

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
90.86	**91.92**	**92.95**	**93.89**	**94.41**	**94.94**	**95.34**	**95.68**	**95.94**	**96.23**	**96.61**	**97.00**	**97.71**	**98.32**	**98.85**	**99.41**	**99.99**
9.77	9.91	10.04	10.17	10.26	10.36	10.45	10.53	10.60	10.67	10.75	10.82	10.95	11.06	11.17	11.29	11.41
32.32	32.72	33.13	33.49	33.68	33.87	34.02	34.16	34.26	34.42	34.66	34.97	35.40	35.79	36.15	36.53	36.94
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.73	2.77	2.81	2.86	2.90	2.94	2.99	3.03	3.08	3.12	3.17	3.22	3.27	3.31	3.36	3.42	3.47
0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.30	0.30	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.39
45.69	46.17	46.61	47.00	47.20	47.40	47.51	47.59	47.62	47.63	47.64	47.59	47.70	47.75	47.76	47.77	47.77
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
230.07	232.37	235.04	237.39	238.63	239.75	240.38	241.45	242.48	243.52	244.67	245.89	247.86	249.41	250.60	251.84	253.21
94.84	93.01	93.56	94.04	94.20	96.32	96.38	96.41	96.46	98.37	98.43	99.03	99.26	99.34	100.34	100.23	100.12
38.95	39.20	39.53	39.78	39.84	39.86	39.85	39.84	39.84	39.83	39.81	39.79	39.87	39.88	39.81	39.75	39.71
285.96	**286.17**	**289.07**	**291.64**	**292.99**	**296.22**	**296.92**	**298.02**	**299.10**	**302.07**	**303.29**	**305.13**	**307.24**	**308.88**	**311.13**	**312.32**	**313.62**
3.80	9.26	8.90	8.65	8.47	8.33	7.85	7.92	7.98	8.04	8.10	8.16	8.22	8.28	8.33	8.38	8.43
189.51	178.81	181.26	183.39	184.70	185.56	186.64	187.64	188.59	189.26	190.34	191.49	193.22	194.70	195.96	197.26	198.65
61.55	66.33	66.46	66.60	66.50	68.74	68.59	68.42	68.26	70.28	70.14	70.53	70.55	70.43	71.23	70.76	70.44
3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.72	28.39	29.07	29.62	29.95	30.22	30.45	30.66	30.88	31.10	31.33	31.56	31.86	32.08	32.23	32.54	32.72

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3.11	**3.05**	**2.99**	**2.94**	**2.89**	**2.85**	**2.80**	**2.77**	**2.75**	**2.73**	**2.70**	**2.67**	**2.64**	**2.61**	**2.58**	**2.55**	**2.52**
1.74	1.72	1.69	1.66	1.64	1.61	1.59	1.56	1.54	1.51	1.49	1.46	1.44	1.41	1.39	1.37	1.34
0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.88	0.87
7.72	7.63	7.55	7.46	7.39	7.31	7.22	7.15	7.09	7.02	6.95	6.90	6.85	6.80	6.74	6.70	6.65
3.05	3.02	2.99	2.95	2.92	2.89	2.86	2.84	2.80	2.77	2.75	2.72	2.70	2.68	2.66	2.64	2.63

Table A2.9: Demand, Reference Case and Continuing Trends, Nunavut

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	90.90	73.47	57.39	59.29	83.18	67.58	68.25	68.93	69.61	70.35	71.02	71.77	72.44	73.19
Natural Gas	8.77	8.80	8.30	8.60	8.60	9.57	10.62	10.67	11.34	10.40	9.55	9.46	9.36	9.26
Light Fuel Oil	15.90	15.80	14.90	17.19	17.14	20.56	21.48	19.34	18.01	16.84	15.78	15.63	15.46	15.28
Commercial														
Electricity	83.43	67.70	52.36	49.59	67.58	67.58	68.25	68.93	69.61	70.35	71.02	71.77	72.44	73.19
Natural Gas	7.10	7.30	6.87	7.18	7.18	8.24	9.39	9.49	10.18	9.25	8.41	8.33	8.24	8.15
Light Fuel Oil	15.90	15.80	14.90	17.19	17.41	20.81	21.71	19.56	18.23	17.06	15.99	15.84	15.67	15.49
Industrial														
Electricity	38.74	37.74	36.22	34.69	32.18	32.18	32.50	32.82	33.14	33.50	33.82	34.17	34.49	34.85
Natural Gas	4.88	6.32	5.85	6.33	6.33	7.45	8.66	8.79	9.48	8.56	7.73	7.65	7.57	7.49
Heavy Fuel Oil	10.56	10.49	9.89	11.41	11.48	15.29	16.60	14.66	13.38	12.25	11.22	11.12	10.99	10.87
Transportation														
Gasoline	33.21	33.33	33.53	33.53	33.53	35.82	35.60	32.88	31.42	30.14	28.95	28.68	28.37	28.05
Diesel	25.90	26.03	25.74	25.34	25.34	28.20	28.55	26.11	24.72	23.50	22.37	22.16	21.92	21.68

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**3.62**	**5.27**	**4.92**	**5.22**	**5.34**	**5.66**	**5.91**	**6.08**	**6.16**	**6.30**	**6.43**	**7.15**	**7.60**	**7.79**
RPP[1,2]	2.86	4.33	4.22	4.72	4.82	4.85	5.01	5.12	5.14	5.23	5.31	5.96	6.34	6.50
Electric	0.75	0.91	0.69	0.48	0.50	0.77	0.83	0.88	0.94	0.98	1.01	1.07	1.12	1.15
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy[3]	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.09	0.10	0.11	0.12	0.14	0.15
Other[4]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**0.26**	**0.31**	**0.28**	**0.24**	**0.23**	**0.42**	**0.49**	**0.56**	**0.61**	**0.66**	**0.70**	**0.76**	**0.83**	**0.86**
Biomass	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.09	0.10	0.11	0.12	0.14	0.15
Electricity	0.17	0.23	0.17	0.18	0.21	0.37	0.42	0.47	0.52	0.56	0.59	0.64	0.69	0.72
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.08	0.06	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**0.35**	**0.45**	**0.37**	**0.42**	**0.47**	**0.44**	**0.45**	**0.46**	**0.47**	**0.48**	**0.48**	**0.49**	**0.50**	**0.51**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.25	0.36	0.28	0.29	0.29	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.10	0.09	0.09	0.13	0.18	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**0.34**	**0.35**	**0.26**	**0.02**	**0.01**	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.33	0.33	0.24	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG & Petroleum Feedstocks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
73.93	74.67	75.42	76.16	76.90	77.65	78.46	79.27	80.01	80.82	81.63	82.45	83.26	84.13	84.95	85.82	86.63
9.16	9.07	8.99	8.92	8.86	8.81	8.77	8.73	8.70	8.67	8.64	8.61	8.58	8.55	8.52	8.49	8.46
15.12	14.97	14.85	14.73	14.62	14.54	14.47	14.42	14.37	14.32	14.27	14.22	14.17	14.12	14.07	14.02	13.97
73.93	74.67	75.42	76.16	76.90	77.65	78.46	79.27	80.01	80.82	81.63	82.45	83.26	84.13	84.95	85.82	86.63
8.06	7.98	7.92	7.86	7.80	7.75	7.72	7.69	7.66	7.63	7.61	7.58	7.55	7.53	7.50	7.47	7.45
15.32	15.18	15.05	14.93	14.82	14.74	14.67	14.61	14.56	14.51	14.46	14.41	14.36	14.31	14.26	14.21	14.16
35.20	35.56	35.91	36.26	36.62	36.97	37.36	37.74	38.10	38.48	38.87	39.26	39.64	40.06	40.45	40.87	41.25
7.40	7.33	7.27	7.22	7.16	7.12	7.09	7.06	7.04	7.01	6.99	6.96	6.94	6.91	6.89	6.87	6.84
10.75	10.65	10.56	10.48	10.40	10.34	10.30	10.26	10.22	10.18	10.15	10.11	10.08	10.04	10.01	9.97	9.94
27.75	27.48	27.25	27.04	26.84	26.68	26.56	26.46	26.37	26.28	26.18	26.09	26.00	25.91	25.82	25.73	25.64
21.44	21.23	21.06	20.89	20.74	20.62	20.52	20.44	20.37	20.30	20.23	20.16	20.09	20.02	19.95	19.88	19.81

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.66	**8.08**	**8.45**	**8.56**	**8.63**	**8.69**	**8.82**	**8.87**	**9.16**	**9.79**	**10.02**	**10.00**	**9.80**	**9.88**	**9.91**	**9.91**	**9.97**
6.34	6.68	6.98	7.06	7.10	7.13	7.24	7.27	7.52	8.11	8.31	8.25	8.05	8.11	8.12	8.10	8.14
1.16	1.24	1.28	1.31	1.33	1.35	1.37	1.38	1.41	1.44	1.46	1.49	1.49	1.51	1.52	1.53	1.54
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24	0.25	0.26	0.26	0.27	0.28	0.28	0.29
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.88	**0.96**	**1.01**	**1.05**	**1.07**	**1.10**	**1.12**	**1.14**	**1.17**	**1.21**	**1.24**	**1.27**	**1.28**	**1.30**	**1.32**	**1.33**	**1.34**
0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24	0.25	0.26	0.26	0.27	0.28	0.28	0.29
0.73	0.79	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.97	0.99	1.01	1.02	1.03	1.04	1.05	1.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.51	**0.53**	**0.55**	**0.55**	**0.56**	**0.56**	**0.57**	**0.58**	**0.58**	**0.59**	**0.60**	**0.61**	**0.61**	**0.62**	**0.62**	**0.63**	**0.63**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.34	0.35	0.36	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.17	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.24	0.24
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**2.67**	**4.16**	**4.02**	**4.55**	**4.63**	**4.69**	**4.86**	**4.96**	**4.98**	**5.07**	**5.15**	**5.79**	**6.16**	**6.32**
Aviation Fuel	0.55	0.62	0.59	0.66	0.74	0.69	0.70	0.71	0.72	0.73	0.74	0.77	0.80	0.81
Diesel	1.83	3.25	3.18	3.61	3.60	3.72	3.86	3.94	3.93	4.01	4.07	4.66	4.99	5.13
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Gasoline	0.29	0.29	0.24	0.28	0.29	0.28	0.30	0.31	0.33	0.33	0.34	0.35	0.37	0.37
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	3.62	5.27	4.92	5.22	5.34	5.66	5.91	6.08	6.16	6.30	6.43	7.15	7.60	7.79
Total Electric and Steam Energy Demand for Generation	0.62	0.49	0.75	0.00	0.00	2.01	2.15	2.31	2.42	2.50	2.51	2.59	2.65	2.64
Less Electricity and Steam Secondary Demand	0.75	0.91	0.69	0.48	0.50	0.77	0.83	0.88	0.94	0.98	1.01	1.07	1.12	1.15
Total Primary Demand	**3.49**	**4.84**	**4.98**	**4.74**	**4.83**	**6.90**	**7.23**	**7.51**	**7.64**	**7.82**	**7.93**	**8.67**	**9.13**	**9.29**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	3.48	4.81	4.96	4.72	4.82	6.86	7.17	7.43	7.52	7.62	7.65	8.31	8.68	8.77
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.12	0.20	0.28	0.36	0.44	0.52

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**2.76**	**3.59**	**3.24**	**3.05**	**2.95**	**3.08**	**3.10**	**3.09**	**3.06**	**3.04**	**3.05**	**3.23**	**3.31**	**3.32**
Residential (PJ/Personal Income)	0.29	0.33	0.29	0.24	0.23	0.42	0.46	0.49	0.52	0.56	0.57	0.59	0.61	0.62
Commercial (PJ/GO)	0.35	0.43	0.34	0.38	0.41	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.36
Industrial (PJ/GO)	0.81	0.67	0.48	0.03	0.02	0.16	0.17	0.16	0.15	0.14	0.14	0.12	0.11	0.10
Transportation (PJ/GDP)	2.04	2.83	2.64	2.66	2.56	2.55	2.55	2.53	2.47	2.44	2.44	2.62	2.69	2.69

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.16	**6.49**	**6.78**	**6.85**	**6.90**	**6.93**	**7.03**	**7.05**	**7.30**	**7.88**	**8.08**	**8.02**	**7.81**	**7.86**	**7.87**	**7.86**	**7.89**
0.81	0.86	0.88	0.89	0.90	0.90	0.91	0.91	0.92	0.95	0.96	0.97	0.97	0.98	0.98	0.99	0.99
4.98	5.25	5.51	5.57	5.60	5.63	5.72	5.75	5.98	6.53	6.72	6.64	6.43	6.48	6.49	6.47	6.51
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.37	0.39	0.39	0.40	0.40	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.66	8.08	8.45	8.56	8.63	8.69	8.82	8.87	9.16	9.79	10.02	10.00	9.80	9.88	9.91	9.91	9.97
2.62	2.75	2.78	2.77	2.76	2.80	2.82	2.85	2.88	2.94	2.97	3.04	3.06	3.07	3.09	3.11	3.14
1.16	1.24	1.28	1.31	1.33	1.35	1.37	1.38	1.41	1.44	1.46	1.49	1.49	1.51	1.52	1.53	1.54
9.11	**9.60**	**9.95**	**10.02**	**10.07**	**10.14**	**10.27**	**10.34**	**10.63**	**11.29**	**11.52**	**11.55**	**11.37**	**11.45**	**11.48**	**11.49**	**11.57**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.52	8.92	9.18	9.18	9.18	9.21	9.32	9.38	9.65	10.26	10.46	10.48	10.28	10.34	10.36	10.37	10.44
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.60	0.68	0.76	0.84	0.89	0.92	0.95	0.96	0.99	1.03	1.06	1.07	1.08	1.11	1.12	1.12	1.13

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3.25	**3.15**	**3.16**	**3.14**	**3.12**	**3.10**	**3.08**	**3.06**	**3.08**	**3.18**	**3.18**	**3.06**	**2.96**	**2.93**	**2.89**	**2.85**	**2.82**
0.63	0.65	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.66	0.66	0.65	0.65	0.64
0.36	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.33	0.33	0.33
0.11	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
2.61	2.53	2.54	2.52	2.49	2.47	2.46	2.43	2.45	2.56	2.56	2.45	2.36	2.33	2.30	2.26	2.23

Table A2.10: Demand, Reference Case and Continuing Trends, Ontario

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	27.49	26.54	27.30	26.59	26.52	25.14	24.31	25.86	26.63	28.64	29.38	28.76	27.93	27.90
Natural Gas	11.08	11.39	11.95	12.10	12.38	13.08	13.87	13.79	14.43	13.47	12.59	12.47	12.33	12.20
Light Fuel Oil	13.72	14.22	12.68	14.60	14.60	18.70	19.30	17.24	15.93	14.78	13.73	13.60	13.46	13.31
Commercial														
Electricity	24.56	23.70	25.89	24.83	20.92	19.80	19.14	20.22	21.00	22.61	23.20	22.70	22.04	22.03
Natural Gas	8.22	8.74	10.06	10.59	10.81	11.62	12.52	12.49	13.15	12.19	11.33	11.22	11.10	10.97
Light Fuel Oil	13.72	14.22	12.68	14.60	14.85	18.43	19.51	17.44	16.14	14.98	13.84	13.80	13.65	13.50
Industrial														
Electricity	16.89	17.03	19.74	19.83	18.12	17.10	16.54	17.54	18.25	19.72	20.26	19.81	19.21	19.21
Natural Gas	7.33	6.39	9.41	8.54	8.74	9.69	10.73	10.78	11.45	10.51	9.66	9.57	9.47	9.36
Heavy Fuel Oil	8.11	9.44	8.42	9.69	9.84	13.76	15.19	13.30	12.04	10.92	9.91	9.81	9.70	9.60
Transportation														
Gasoline	25.86	26.15	26.11	26.11	26.11	28.91	29.21	26.75	25.35	24.12	22.99	22.77	22.52	22.27
Diesel	21.17	21.85	20.11	20.63	20.63	23.81	24.49	22.22	20.87	19.67	18.58	18.41	18.21	18.01

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**2 999.37**	**2 894.73**	**3 057.10**	**3 088.65**	**3 167.43**	**3 245.80**	**3 243.08**	**3 271.75**	**3 311.00**	**3 399.03**	**3 478.67**	**3 542.00**	**3 605.71**	**3 651.21**
RPP[1,2]	1 267.73	1 252.31	1 323.96	1 341.24	1 400.66	1 447.04	1 432.79	1 432.40	1 448.51	1 494.14	1 537.88	1 572.78	1 609.06	1 636.51
Electric	507.19	503.43	522.78	512.87	512.69	531.62	537.90	545.40	554.13	566.62	575.31	582.57	590.05	594.71
Natural Gas	956.01	886.33	941.44	970.09	969.60	987.37	993.04	1 001.86	1 011.25	1 035.69	1 058.18	1 076.38	1 093.75	1 105.95
Biofuels & Emerging Energy[3]	107.35	99.25	109.47	105.29	129.14	116.62	115.09	132.96	134.66	137.74	139.58	141.15	143.18	144.25
Other[4]	161.09	153.41	159.44	159.16	155.33	163.15	164.25	159.12	162.15	164.85	167.72	169.13	169.67	169.78
Residential Sector	**524.94**	**512.22**	**527.26**	**565.71**	**545.94**	**562.85**	**570.98**	**586.69**	**593.86**	**608.90**	**621.70**	**630.96**	**640.17**	**646.48**
Biomass	17.58	16.20	17.26	18.77	19.00	19.78	20.23	21.04	21.59	22.41	23.11	23.67	24.22	24.65
Electricity	153.71	159.87	158.84	160.52	162.98	165.62	167.90	172.19	174.12	177.77	180.43	182.29	184.36	185.70
Natural Gas	315.34	302.28	316.53	349.21	335.58	349.36	355.57	366.67	372.20	383.23	393.27	400.81	408.13	413.44
RPP[2]	38.32	33.87	34.63	37.22	28.40	28.12	27.28	26.80	25.95	25.49	24.89	24.18	23.47	22.69
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**517.42**	**494.39**	**518.71**	**534.34**	**523.69**	**539.05**	**543.97**	**549.66**	**552.46**	**563.85**	**573.79**	**582.35**	**591.98**	**599.30**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	176.71	167.18	191.78	193.84	191.75	203.98	208.05	211.73	214.98	219.83	223.28	226.37	229.99	232.58
Natural Gas	290.99	276.01	273.04	275.72	259.33	260.93	261.02	261.74	259.65	263.44	267.41	270.61	274.26	277.08
RPP[2]	49.42	50.89	53.58	64.45	72.29	73.72	74.48	75.78	77.43	80.20	82.72	85.00	87.36	89.27
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.30	0.31	0.31	0.34	0.33	0.42	0.42	0.41	0.40	0.39	0.38	0.37	0.37	0.36
Industrial Sector	**1 117.60**	**1 068.90**	**1 185.03**	**1 134.85**	**1 209.90**	**1 257.19**	**1 256.16**	**1 245.94**	**1 268.68**	**1 306.78**	**1 338.71**	**1 364.25**	**1 387.62**	**1 402.81**
Biomass	89.77	83.05	92.21	86.52	110.14	96.87	94.86	93.19	94.10	95.93	96.73	97.50	98.73	99.04
Coal, Coke & Coke Oven Gas	149.80	141.76	146.23	143.30	137.25	141.80	142.70	137.30	139.71	141.48	143.62	144.39	144.47	144.37
Electricity	175.41	175.07	170.78	157.17	156.63	160.70	160.67	160.21	163.78	167.75	170.31	172.61	174.30	175.11
Natural Gas	348.09	306.58	350.50	343.78	373.32	375.72	375.11	372.14	378.09	387.70	396.15	403.60	409.99	414.05
LPG & Petroleum Feedstocks	164.65	172.08	206.56	176.66	206.65	225.60	228.02	229.85	236.48	247.47	256.00	262.56	269.29	273.68
RPP[2]	97.56	93.21	91.39	97.92	105.60	108.52	107.64	106.03	107.46	112.21	116.49	120.38	124.58	127.77
Still Gas & Petroleum Coke	81.32	85.81	114.48	113.97	102.57	127.05	126.02	125.81	127.02	131.26	135.69	138.83	141.34	143.74
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	10.99	11.85	12.90	15.53	17.76	20.93	21.13	21.41	22.04	22.98	23.72	24.37	24.83	25.05

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
30.91	31.23	31.40	31.35	31.49	31.85	32.48	32.95	33.28	33.96	34.62	35.07	35.70	36.37	37.03	37.63	38.23
12.06	11.95	11.85	11.76	11.67	11.60	11.55	11.51	11.47	11.43	11.38	11.34	11.31	11.27	11.23	11.19	11.15
13.16	13.03	12.93	12.82	12.73	12.66	12.60	12.55	12.51	12.46	12.42	12.38	12.33	12.29	12.25	12.20	12.16
24.44	24.70	24.85	24.81	24.92	25.21	25.72	26.10	26.38	26.92	27.45	27.82	28.33	28.86	29.40	29.88	30.36
10.85	10.75	10.66	10.58	10.50	10.44	10.39	10.35	10.32	10.28	10.24	10.21	10.17	10.14	10.10	10.06	10.03
13.35	13.23	13.12	13.01	12.92	12.84	12.79	12.74	12.69	12.65	12.60	12.56	12.51	12.47	12.43	12.38	12.34
21.42	21.67	21.81	21.79	21.89	22.17	22.64	22.99	23.25	23.76	24.25	24.59	25.06	25.56	26.05	26.50	26.94
9.26	9.17	9.09	9.02	8.96	8.90	8.86	8.83	8.80	8.77	8.74	8.71	8.68	8.64	8.62	8.58	8.56
9.49	9.40	9.32	9.25	9.18	9.13	9.09	9.05	9.02	8.99	8.96	8.93	8.90	8.86	8.83	8.80	8.77
22.03	21.82	21.64	21.47	21.31	21.19	21.09	21.01	20.94	20.86	20.79	20.72	20.64	20.57	20.50	20.43	20.36
17.81	17.64	17.49	17.35	17.23	17.13	17.05	16.98	16.92	16.86	16.80	16.75	16.69	16.63	16.57	16.51	16.46

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 692.67	**3 769.12**	**3 864.73**	**3 949.25**	**4 009.10**	**4 059.13**	**4 109.46**	**4 153.16**	**4 202.62**	**4 252.29**	**4 300.34**	**4 351.55**	**4 416.86**	**4 471.13**	**4 514.44**	**4 561.28**	**4 612.52**
1 662.11	1 704.49	1 753.97	1 797.13	1 830.80	1 859.69	1 889.31	1 916.08	1 945.12	1 974.28	2 002.90	2 033.35	2 070.58	2 102.86	2 130.12	2 158.94	2 189.84
597.15	604.65	614.68	623.57	628.60	632.32	635.89	638.47	641.83	645.01	647.84	651.08	655.98	659.41	661.47	663.95	667.01
1 118.68	1 141.79	1 170.96	1 197.70	1 216.56	1 232.74	1 248.84	1 263.04	1 279.28	1 295.70	1 311.68	1 328.20	1 349.39	1 367.32	1 381.92	1 397.85	1 415.29
145.30	148.11	151.86	155.03	156.87	158.35	159.73	160.64	161.76	162.78	163.77	164.91	166.59	167.56	167.95	168.43	169.19
169.43	170.08	173.25	175.82	176.28	176.04	175.70	174.93	174.83	174.52	174.06	174.01	174.32	173.99	173.00	172.11	170.98
651.23	**661.17**	**672.24**	**681.08**	**687.62**	**691.83**	**695.74**	**698.79**	**701.55**	**704.26**	**706.34**	**708.17**	**711.74**	**714.41**	**716.26**	**717.89**	**719.88**
25.05	25.64	26.26	26.80	27.24	27.57	27.88	28.15	28.40	28.64	28.85	29.04	29.29	29.50	29.67	29.83	29.99
186.16	188.16	190.56	192.44	193.77	194.52	195.22	195.76	196.29	196.84	197.24	197.64	198.55	199.24	199.75	200.23	200.86
418.11	426.04	434.61	441.62	447.00	450.76	454.25	457.05	459.56	461.99	463.94	465.64	468.47	470.64	472.20	473.57	475.12
21.92	21.33	20.80	20.22	19.61	18.98	18.38	17.83	17.30	16.79	16.31	15.85	15.43	15.02	14.63	14.26	13.91
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
606.57	**619.52**	**633.75**	**648.40**	**658.84**	**668.97**	**679.08**	**688.72**	**699.41**	**710.17**	**720.54**	**730.43**	**743.56**	**755.24**	**766.04**	**777.67**	**790.20**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
234.35	238.10	242.19	246.29	248.86	251.18	253.42	255.34	257.51	259.57	261.43	263.32	265.80	267.86	269.54	271.40	273.51
280.62	287.03	294.19	301.74	307.24	312.74	318.28	323.79	329.93	336.25	342.40	348.00	355.66	362.84	369.47	376.59	384.22
91.24	94.04	97.01	100.01	102.38	104.69	107.02	109.24	111.61	113.99	116.35	118.76	121.54	124.18	126.67	129.30	132.11
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.36	0.36	0.36	0.36	0.36	0.36	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37
1 417.16	**1 446.17**	**1 490.57**	**1 529.10**	**1 553.70**	**1 574.36**	**1 595.49**	**1 612.97**	**1 635.04**	**1 656.27**	**1 677.94**	**1 703.24**	**1 734.29**	**1 758.21**	**1 775.04**	**1 794.00**	**1 814.69**
99.35	100.96	103.34	105.36	106.28	107.04	107.84	108.32	109.03	109.74	110.51	111.43	112.75	113.40	113.43	113.58	113.95
143.77	143.92	146.21	148.01	147.93	147.21	146.41	145.24	144.67	143.94	143.01	142.39	141.09	141.10	139.69	138.31	136.65
175.31	177.04	180.56	183.45	184.56	185.20	185.83	185.95	186.60	187.16	187.72	188.67	190.16	190.83	190.70	190.57	191.15
418.56	427.31	440.72	452.89	460.84	467.73	474.79	480.68	488.24	495.81	503.77	512.98	523.67	532.22	538.62	546.04	554.30
277.90	285.02	296.76	306.92	314.71	321.81	329.03	335.44	342.69	349.13	356.10	364.13	374.07	382.39	389.19	396.63	404.73
131.03	136.53	142.88	148.85	153.38	157.38	161.39	165.00	168.97	173.08	177.12	181.18	185.73	189.43	192.32	195.18	198.23
145.93	149.58	153.42	156.17	158.00	159.51	161.27	163.00	165.04	167.08	169.02	171.20	173.95	176.31	178.15	180.10	182.21
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.30	25.80	26.68	27.46	27.99	28.47	28.94	29.33	29.80	30.22	30.69	31.26	31.96	32.52	32.94	33.44	33.96

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**839.41**	**819.22**	**826.10**	**853.74**	**887.90**	**886.71**	**871.96**	**889.46**	**895.99**	**919.50**	**944.46**	**964.45**	**985.94**	**1 002.62**
Aviation Fuel	62.06	45.80	35.86	49.40	57.93	56.16	53.78	52.93	52.50	53.40	54.88	56.06	57.34	58.43
Diesel	250.74	238.70	242.40	245.91	261.39	266.27	263.96	262.08	264.58	273.01	281.17	288.54	296.12	301.99
Electric	1.36	1.32	1.39	1.35	1.36	1.32	1.28	1.27	1.26	1.27	1.29	1.30	1.31	1.32
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.74	18.97	19.40	19.74	19.98	20.23	20.55
Heavy Fuel Oil	5.54	6.60	6.76	6.84	7.09	7.20	7.31	7.42	7.53	7.64	7.75	7.87	7.99	8.11
LPG	4.82	5.50	3.03	3.49	4.20	3.92	3.58	3.31	3.01	2.78	2.54	2.31	2.09	1.88
Lubricants	3.88	4.74	5.65	6.14	5.80	5.98	6.15	6.39	6.59	6.87	7.13	7.35	7.58	7.78
Motor Gasoline	509.41	515.10	529.64	539.23	548.75	544.50	534.58	536.02	540.26	553.82	568.63	579.67	591.90	601.17
Natural Gas	1.60	1.46	1.37	1.38	1.38	1.36	1.33	1.32	1.30	1.31	1.34	1.35	1.37	1.38

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	2 999.37	2 894.73	3 057.10	3 088.65	3 167.43	3 245.80	3 243.08	3 271.75	3 311.00	3 399.03	3 478.67	3 542.00	3 605.71	3 651.21
Total Electric and Steam Energy Demand for Generation	1 370.39	1 390.45	1 387.45	1 460.83	1 499.56	1 505.82	1 513.43	1 564.75	1 571.98	1 570.97	1 617.59	1 612.73	1 585.96	1 583.93
Less Electricity and Steam Secondary Demand	518.48	515.59	536.00	528.74	530.78	552.97	559.45	567.22	576.57	589.98	599.41	607.31	615.25	620.12
Total Primary Demand	**3 851.28**	**3 769.59**	**3 908.55**	**4 020.75**	**4 136.21**	**4 198.65**	**4 197.06**	**4 269.28**	**4 306.42**	**4 380.01**	**4 496.84**	**4 547.42**	**4 576.42**	**4 615.01**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1 063.96	1 011.36	1 070.70	1 105.97	1 092.79	1 117.17	1 127.92	1 150.99	1 178.62	1 222.37	1 272.17	1 299.56	1 309.30	1 336.01
RPP	1 273.19	1 261.06	1 329.92	1 362.83	1 418.32	1 459.20	1 445.88	1 448.10	1 456.69	1 504.33	1 556.83	1 592.21	1 628.87	1 656.21
Coal, Coke and Coke Oven Gas	576.35	532.00	529.82	593.50	471.39	385.44	385.98	399.00	419.51	370.67	304.58	288.70	248.69	221.48
Hydro	136.41	133.64	138.25	129.76	142.14	135.84	135.93	135.93	136.26	142.46	144.83	144.83	144.83	144.83
Nuclear	694.02	732.29	730.39	723.40	882.33	970.60	969.59	979.81	953.18	972.43	1 046.32	1 045.92	1 063.98	1 072.13
Biofuels & Emerging Energy	107.35	99.25	109.47	105.29	129.23	130.40	131.76	155.45	162.16	167.75	172.11	176.20	180.76	184.35

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**7.05**	**6.72**	**6.84**	**6.71**	**6.65**	**6.59**	**6.41**	**6.30**	**6.18**	**6.09**	**6.02**	**5.95**	**5.88**	**5.81**
Residential (PJ/Personal Income)	1.61	1.56	1.59	1.70	1.61	1.61	1.60	1.58	1.55	1.53	1.51	1.48	1.46	1.44
Commercial (PJ/GO)	1.13	1.06	1.09	1.08	1.02	1.01	0.99	0.97	0.95	0.94	0.93	0.92	0.91	0.90
Industrial (PJ/GO)	2.80	2.76	2.93	2.84	2.89	2.90	2.80	2.68	2.57	2.49	2.44	2.38	2.33	2.28
Transportation (PJ/GDP)	1.97	1.90	1.85	1.85	1.87	1.80	1.72	1.71	1.67	1.65	1.64	1.62	1.61	1.60

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non-energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 017.71	**1 042.25**	**1 068.16**	**1 090.67**	**1 108.94**	**1 123.97**	**1 139.15**	**1 152.68**	**1 166.83**	**1 181.59**	**1 195.52**	**1 209.71**	**1 227.47**	**1 243.28**	**1 257.11**	**1 271.63**	**1 287.55**
59.46	61.14	62.98	64.65	66.24	67.66	69.11	70.47	71.85	73.31	74.75	76.20	78.01	79.74	81.37	83.04	84.82
307.55	316.19	325.21	333.55	339.84	345.31	351.21	356.69	362.72	369.16	375.34	381.81	389.13	395.65	401.41	407.70	414.74
1.33	1.35	1.37	1.38	1.40	1.41	1.42	1.42	1.43	1.44	1.45	1.45	1.47	1.48	1.48	1.49	1.50
20.90	21.51	22.25	22.87	23.35	23.74	24.01	24.16	24.33	24.40	24.41	24.44	24.54	24.65	24.84	25.03	25.24
8.23	8.35	8.48	8.61	8.73	8.87	9.00	9.13	9.27	9.41	9.55	9.69	9.84	9.99	10.14	10.29	10.44
1.69	1.53	1.38	1.24	1.11	0.98	0.88	0.78	0.69	0.61	0.54	0.48	0.43	0.38	0.33	0.29	0.26
7.98	8.25	8.54	8.82	9.07	9.29	9.52	9.73	9.95	10.18	10.40	10.63	10.90	11.16	11.40	11.65	11.91
609.17	622.52	636.52	648.09	657.73	665.21	672.50	678.77	685.04	691.53	697.51	703.41	711.55	718.63	724.50	730.49	736.97
1.39	1.41	1.44	1.46	1.48	1.50	1.51	1.53	1.54	1.55	1.57	1.58	1.60	1.62	1.63	1.64	1.66

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 692.67	3 769.11	3 864.72	3 949.25	4 009.10	4 059.13	4 109.46	4 153.16	4 202.82	4 252.29	4 300.34	4 351.55	4 416.86	4 471.13	4 514.44	4 561.28	4 612.32
1 558.57	1 560.99	1 586.97	1 619.86	1 653.06	1 637.70	1 641.43	1 643.39	1 650.21	1 658.99	1 663.40	1 676.24	1 695.20	1 701.98	1 706.20	1 702.39	1 716.06
622.82	630.81	641.72	651.38	656.94	661.14	665.19	668.16	671.99	675.58	678.89	682.70	688.30	692.30	694.77	697.75	701.35
4 628.42	**4 699.29**	**4 809.97**	**4 917.73**	**5 005.22**	**5 035.69**	**5 085.70**	**5 128.38**	**5 181.05**	**5 235.70**	**5 284.85**	**5 345.09**	**5 423.75**	**5 480.82**	**5 525.87**	**5 565.92**	**5 627.02**
1 364.65	1 400.34	1 438.16	1 466.01	1 470.29	1 496.97	1 520.42	1 536.71	1 555.27	1 560.63	1 564.49	1 580.57	1 604.62	1 625.07	1 635.54	1 652.52	1 667.20
1 684.59	1 728.08	1 778.34	1 821.84	1 854.91	1 884.06	1 914.98	1 942.36	1 972.09	2 000.75	2 028.01	2 058.41	2 096.12	2 128.57	2 155.67	2 184.64	2 215.67
212.98	187.57	146.21	148.01	147.93	147.21	146.41	145.24	144.67	153.32	152.39	151.76	151.36	150.48	149.06	147.68	146.02
144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83
1 033.46	1 045.22	1 103.16	1 132.59	1 179.20	1 151.56	1 145.38	1 143.38	1 145.94	1 155.64	1 172.36	1 184.34	1 198.69	1 201.53	1 208.77	1 202.50	1 217.54
187.92	193.25	199.27	204.46	208.06	211.06	213.70	215.87	218.25	220.53	222.78	225.19	228.12	230.35	232.00	233.75	235.76

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5.74	**5.67**	**5.61**	**5.53**	**5.47**	**5.40**	**5.34**	**5.27**	**5.21**	**5.15**	**5.09**	**5.03**	**4.97**	**4.92**	**4.86**	**4.81**	**4.75**
1.42	1.39	1.37	1.35	1.33	1.30	1.28	1.26	1.24	1.22	1.20	1.18	1.16	1.14	1.12	1.10	1.08
0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.83	0.82	0.82	0.81	0.81	0.80	0.80	0.80
2.22	2.18	2.14	2.10	2.06	2.02	1.98	1.95	1.91	1.88	1.85	1.81	1.78	1.76	1.73	1.70	1.67
1.58	1.57	1.55	1.53	1.51	1.50	1.48	1.46	1.45	1.43	1.41	1.40	1.38	1.37	1.35	1.34	1.33

Table A2.11: Demand, Reference Case and Continuing Trends, Prince Edward Island

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	34.11	34.39	34.16	37.53	36.51	33.86	43.09	41.29	41.64	40.71	40.76	41.17	44.05	45.14
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	11.52	12.19	11.25	10.39	10.29	10.18	10.06
Light Fuel Oil	16.97	17.86	16.17	18.61	18.54	21.87	22.69	20.50	19.16	17.98	16.90	16.74	16.56	16.38
Commercial														
Electricity	27.79	27.77	25.04	26.13	26.22	24.07	29.07	27.84	28.01	27.44	27.42	27.62	29.24	29.82
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	9.23	9.92	8.99	8.16	8.08	7.99	7.90
Light Fuel Oil	16.97	17.86	16.17	18.61	18.83	22.13	22.94	20.73	19.39	18.21	17.13	16.97	16.78	16.60
Industrial														
Electricity	18.65	21.73	26.27	28.94	28.10	25.73	35.90	34.37	34.81	33.92	34.06	34.58	37.66	38.89
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	7.96	8.66	7.75	6.92	6.86	6.78	6.71
Heavy Fuel Oil	11.83	12.46	11.28	12.98	13.05	16.75	17.96	15.95	14.66	13.52	12.48	12.37	12.23	12.10
Transportation														
Gasoline	29.84	29.80	29.89	29.89	29.89	32.43	32.47	29.87	28.44	27.18	26.03	25.78	25.50	25.22
Diesel	26.08	26.03	24.88	24.27	24.27	27.20	27.63	25.23	23.85	22.63	21.51	21.31	21.08	20.84

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**25.65**	**24.65**	**25.24**	**26.06**	**26.29**	**26.72**	**26.55**	**26.77**	**27.04**	**27.38**	**27.97**	**28.40**	**28.88**	**29.22**
RPP[1,2]	21.77	20.70	21.15	22.00	21.98	22.41	22.18	22.35	22.56	22.82	23.34	23.70	24.13	24.43
Electric	3.44	3.52	3.63	3.57	3.82	3.79	3.85	3.88	3.93	4.00	4.06	4.12	4.16	4.19
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy[3]	0.43	0.42	0.45	0.49	0.49	0.52	0.52	0.54	0.55	0.55	0.57	0.58	0.59	0.60
Other[3]	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**5.25**	**5.06**	**4.63**	**4.62**	**4.57**	**4.78**	**4.80**	**4.88**	**4.90**	**4.94**	**5.05**	**5.11**	**5.17**	**5.21**
Biomass	0.43	0.42	0.45	0.49	0.49	0.52	0.52	0.54	0.55	0.55	0.57	0.58	0.59	0.60
Electricity	1.00	1.02	0.51	0.56	0.57	0.56	0.56	0.57	0.57	0.58	0.59	0.60	0.61	0.61
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	3.82	3.62	3.67	3.57	3.51	3.70	3.71	3.77	3.78	3.81	3.89	3.93	3.98	4.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**4.29**	**4.25**	**4.50**	**4.91**	**5.11**	**4.95**	**4.93**	**4.93**	**5.01**	**5.16**	**5.26**	**5.38**	**5.51**	**5.62**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	1.50	1.46	1.47	1.50	1.67	1.64	1.66	1.68	1.72	1.78	1.82	1.86	1.90	1.94
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	2.78	2.78	3.01	3.40	3.44	3.31	3.27	3.25	3.29	3.38	3.44	3.51	3.60	3.68
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**4.20**	**3.79**	**4.42**	**4.49**	**4.04**	**4.22**	**4.20**	**4.19**	**4.21**	**4.22**	**4.26**	**4.28**	**4.30**	**4.30**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.93	1.04	1.65	1.51	1.58	1.59	1.63	1.63	1.63	1.64	1.65	1.66	1.65	1.64
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG & Petroleum Feedstocks	0.17	0.00	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
RPP	3.10	2.75	2.76	2.96	2.44	2.61	2.55	2.54	2.56	2.56	2.58	2.60	2.63	2.64
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
45.36	45.63	45.88	46.08	46.25	46.33	46.74	47.22	47.83	48.51	49.26	50.09	51.04	52.03	53.16	54.41	55.58
9.95	9.86	9.78	9.70	9.63	9.57	9.53	9.49	9.46	9.43	9.39	9.36	9.33	9.29	9.26	9.23	9.20
16.20	16.04	15.91	15.78	15.67	15.58	15.51	15.45	15.40	15.34	15.29	15.23	15.18	15.13	15.07	15.02	14.97
29.89	30.00	30.09	30.16	30.21	30.21	30.41	30.65	30.97	31.33	31.73	32.18	32.70	33.24	33.86	34.56	35.21
7.82	7.74	7.68	7.62	7.56	7.52	7.48	7.45	7.43	7.40	7.38	7.35	7.32	7.30	7.27	7.25	7.22
16.42	16.26	16.13	16.00	15.88	15.79	15.72	15.66	15.60	15.55	15.49	15.44	15.38	15.33	15.28	15.22	15.17
39.22	39.59	39.93	40.20	40.45	40.59	41.06	41.60	42.27	43.01	43.83	44.72	45.74	46.81	48.00	49.34	50.58
6.63	6.57	6.51	6.46	6.42	6.38	6.35	6.33	6.30	6.28	6.26	6.24	6.22	6.19	6.17	6.15	6.13
11.96	11.85	11.75	11.66	11.57	11.51	11.45	11.41	11.37	11.33	11.29	11.25	11.21	11.17	11.13	11.09	11.06
24.94	24.70	24.50	24.30	24.12	23.99	23.88	23.78	23.70	23.62	23.53	23.45	23.37	23.29	23.21	23.12	23.05
20.61	20.42	20.25	20.09	19.94	19.83	19.74	19.66	19.59	19.52	19.45	19.38	19.32	19.25	19.18	19.11	19.05

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
29.53	**30.08**	**30.58**	**31.15**	**31.51**	**31.84**	**32.17**	**32.47**	**32.75**	**33.03**	**33.35**	**33.65**	**34.00**	**34.30**	**34.57**	**34.86**	**35.13**
24.72	25.21	25.65	26.14	26.47	26.78	27.07	27.34	27.60	27.85	28.15	28.43	28.74	29.03	29.29	29.56	29.83
4.21	4.26	4.31	4.38	4.40	4.43	4.45	4.48	4.50	4.52	4.55	4.57	4.60	4.61	4.63	4.64	4.65
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.60	0.61	0.62	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.66
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.24	**5.30**	**5.35**	**5.41**	**5.44**	**5.46**	**5.48**	**5.49**	**5.50**	**5.50**	**5.51**	**5.51**	**5.51**	**5.51**	**5.51**	**5.50**	**5.49**
0.60	0.61	0.62	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.66
0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.70	0.71	0.72	0.73	0.73	0.74	0.75	0.76
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.02	4.06	4.09	4.13	4.14	4.15	4.16	4.16	4.16	4.15	4.15	4.14	4.13	4.12	4.11	4.09	4.08
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.72	**5.88**	**6.01**	**6.21**	**6.32**	**6.43**	**6.53**	**6.63**	**6.74**	**6.84**	**6.94**	**7.03**	**7.12**	**7.21**	**7.29**	**7.37**	**7.44**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.97	2.01	2.05	2.11	2.14	2.16	2.19	2.21	2.23	2.25	2.27	2.29	2.30	2.32	2.33	2.34	2.34
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.75	3.86	3.96	4.10	4.18	4.26	4.34	4.42	4.50	4.59	4.67	4.74	4.82	4.89	4.96	5.03	5.10
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.30	**4.34**	**4.39**	**4.42**	**4.44**	**4.46**	**4.49**	**4.50**	**4.53**	**4.56**	**4.60**	**4.64**	**4.70**	**4.74**	**4.78**	**4.82**	**4.86**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.62	1.62	1.62	1.61	1.61	1.60	1.59	1.58	1.57	1.57	1.57	1.56	1.56	1.56	1.56	1.55	1.55
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
2.66	2.70	2.75	2.78	2.81	2.84	2.87	2.89	2.92	2.96	3.00	3.04	3.10	3.14	3.18	3.23	3.28
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**11.91**	**11.54**	**11.70**	**12.05**	**12.58**	**12.76**	**12.63**	**12.77**	**12.92**	**13.06**	**13.40**	**13.64**	**13.90**	**14.09**
Aviation Fuel	0.15	0.14	0.14	0.17	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18
Diesel	4.24	3.94	3.71	3.94	4.25	4.25	4.19	4.24	4.35	4.40	4.47	4.54	4.61	4.66
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Motor Gasoline	7.47	7.41	7.83	7.92	8.12	8.32	8.24	8.34	8.38	8.47	8.73	8.90	9.08	9.22
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	25.65	24.65	25.24	26.06	26.29	26.72	26.55	26.76	27.04	27.38	27.97	28.40	28.88	29.22
Total Electric and Steam Energy Demand for Generation	0.76	0.69	0.40	0.57	0.37	1.01	1.01	1.24	1.74	2.19	2.21	2.45	2.68	2.92
Less Electricity and Steam Secondary Demand	3.45	3.53	3.64	3.57	3.82	3.79	3.85	3.88	3.93	4.00	4.06	4.12	4.16	4.19
Total Primary Demand	**22.96**	**21.81**	**22.00**	**23.06**	**22.83**	**23.93**	**23.71**	**24.13**	**24.85**	**25.57**	**26.12**	**26.73**	**27.40**	**27.95**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	22.53	21.39	21.55	22.57	22.22	23.42	23.19	23.36	23.84	24.31	24.61	24.97	25.40	25.71
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.43	0.42	0.45	0.49	0.61	0.52	0.52	0.77	1.02	1.26	1.51	1.75	2.00	2.24

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**8.36**	**7.99**	**7.82**	**7.79**	**7.65**	**7.66**	**7.48**	**7.38**	**7.22**	**7.08**	**7.02**	**6.93**	**6.84**	**6.76**
Residential (PJ/Personal Income)	1.80	1.74	1.56	1.58	1.53	1.53	1.51	1.49	1.46	1.44	1.42	1.40	1.37	1.35
Commercial (PJ/GO)	1.24	1.21	1.25	1.31	1.29	1.25	1.21	1.19	1.16	1.15	1.14	1.13	1.12	1.11
Industrial (PJ/GO)	1.68	1.58	1.70	1.66	1.50	1.45	1.43	1.40	1.37	1.35	1.33	1.31	1.28	1.27
Transportation (PJ/GDP)	3.88	3.74	3.62	3.60	3.66	3.66	3.56	3.52	3.45	3.37	3.36	3.33	3.29	3.26

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
14.27	**14.56**	**14.83**	**15.10**	**15.31**	**15.49**	**15.67**	**15.84**	**15.98**	**16.13**	**16.31**	**16.47**	**16.67**	**16.84**	**17.00**	**17.17**	**17.33**
0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28
4.72	4.81	4.89	4.97	5.03	5.09	5.15	5.21	5.26	5.32	5.39	5.47	5.56	5.64	5.72	5.80	5.88
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
9.34	9.53	9.71	9.90	10.04	10.16	10.27	10.38	10.46	10.55	10.65	10.72	10.82	10.91	10.99	11.07	11.14
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
29.53	30.08	30.58	31.15	31.51	31.84	32.17	32.47	32.75	33.03	33.35	33.65	34.00	34.30	34.57	34.86	35.13
3.15	3.39	3.60	3.79	3.89	4.03	4.21	4.33	4.45	4.56	4.62	4.73	4.85	5.03	5.09	5.20	5.32
4.21	4.26	4.31	4.38	4.40	4.43	4.45	4.48	4.50	4.52	4.55	4.57	4.60	4.61	4.63	4.64	4.65
28.48	**29.21**	**29.87**	**30.56**	**31.00**	**31.44**	**31.93**	**32.32**	**32.69**	**33.07**	**33.42**	**33.81**	**34.25**	**34.72**	**35.03**	**35.42**	**35.80**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.00	26.48	26.92	27.42	27.68	27.98	28.34	28.62	28.87	29.13	29.36	29.63	29.95	30.30	30.50	30.77	31.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.48	2.73	2.95	3.15	3.32	3.46	3.58	3.70	3.82	3.94	4.06	4.18	4.30	4.42	4.54	4.65	4.77

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.68	**6.60**	**6.52**	**6.43**	**6.37**	**6.31**	**6.24**	**6.18**	**6.12**	**6.06**	**6.01**	**5.95**	**5.90**	**5.86**	**5.81**	**5.77**	**5.73**
1.33	1.30	1.28	1.25	1.23	1.21	1.18	1.16	1.14	1.12	1.10	1.08	1.05	1.03	1.01	0.99	0.97
1.10	1.09	1.09	1.08	1.08	1.07	1.07	1.06	1.06	1.05	1.05	1.04	1.04	1.04	1.03	1.03	1.02
1.25	1.23	1.21	1.20	1.18	1.17	1.15	1.14	1.13	1.12	1.11	1.10	1.08	1.07	1.06	1.05	1.04
3.23	3.19	3.16	3.12	3.09	3.07	3.04	3.02	2.99	2.96	2.94	2.91	2.89	2.88	2.86	2.84	2.83

Table A2.12: Demand, Reference Case and Continuing Trends, Quebec

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	18.74	18.32	17.71	17.06	16.24	14.60	17.41	18.51	18.80	18.81	18.94	18.43	18.32	18.58
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	11.52	12.19	11.25	10.39	10.29	10.18	10.06
Light Fuel Oil	14.95	14.45	13.37	15.55	15.57	19.10	20.13	18.04	16.72	15.57	14.51	14.37	14.22	14.06
Commercial														
Electricity	20.07	19.53	18.89	18.09	17.26	15.69	19.35	20.77	21.10	21.08	21.23	20.57	20.42	20.75
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	9.23	9.92	8.99	8.16	8.08	7.99	7.90
Light Fuel Oil	14.95	14.45	13.37	15.55	15.82	19.33	20.35	18.25	16.93	15.77	14.71	14.57	14.42	14.26
Industrial														
Electricity	10.83	11.01	10.53	10.78	9.76	8.77	10.27	10.87	11.03	11.04	11.12	10.84	10.78	10.93
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	7.96	8.66	7.75	6.92	6.86	6.78	6.71
Heavy Fuel Oil	10.42	10.07	9.32	10.84	11.03	14.87	16.22	14.28	13.01	11.88	10.86	10.76	10.64	10.52
Transportation														
Gasoline	29.74	30.31	30.29	30.29	30.29	32.80	32.81	30.20	28.77	27.51	26.35	26.10	25.81	25.53
Diesel	26.43	26.45	24.94	25.23	25.23	28.09	28.45	26.02	24.63	23.40	22.28	22.07	21.83	21.58

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**1 816.25**	**1 776.34**	**1 886.57**	**1 973.63**	**1 969.36**	**1 999.81**	**2 009.42**	**2 015.59**	**2 030.04**	**2 072.35**	**2 109.69**	**2 144.24**	**2 176.94**	**2 194.68**
RPP[1,2]	752.43	762.26	800.17	856.59	861.11	871.38	874.21	879.63	883.80	904.65	926.17	943.07	962.50	974.75
Electric	630.44	635.48	661.26	695.88	690.09	708.26	718.36	723.44	733.87	749.87	760.82	774.23	782.74	786.42
Natural Gas	239.67	200.21	224.37	217.35	220.74	221.29	217.96	214.05	211.19	212.36	213.86	215.12	216.57	216.65
Biofuels & Emerging Energy[3]	161.43	148.07	167.41	170.61	167.64	167.85	167.78	167.90	170.00	173.55	176.28	178.65	181.67	183.21
Other[4]	32.29	30.33	33.36	33.21	29.78	31.04	31.10	30.57	31.19	31.94	32.55	33.16	33.46	33.66
Residential Sector	**327.49**	**309.54**	**323.32**	**348.27**	**354.04**	**354.11**	**362.11**	**369.86**	**373.83**	**381.21**	**389.26**	**395.42**	**401.50**	**404.49**
Biomass	60.27	55.95	59.97	64.06	66.25	66.18	68.01	69.99	71.30	73.19	75.20	76.78	78.34	79.31
Electricity	186.45	183.31	191.71	206.57	209.39	211.17	217.07	222.30	225.09	229.71	234.46	238.19	241.85	243.53
Natural Gas	28.25	23.65	26.12	28.15	27.56	27.33	27.73	28.16	28.21	28.62	29.19	29.60	29.99	30.19
RPP	52.52	46.63	45.52	49.50	50.84	49.45	49.30	49.42	49.23	49.68	50.40	50.86	51.32	51.47
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**226.69**	**227.25**	**246.67**	**270.78**	**260.10**	**272.54**	**274.41**	**275.56**	**275.94**	**280.67**	**284.19**	**287.95**	**292.76**	**295.52**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	118.16	117.87	122.63	125.08	128.37	134.12	135.96	137.00	137.72	139.85	140.97	142.38	144.31	145.20
Natural Gas	75.07	69.95	76.84	79.92	77.91	81.45	81.25	80.90	79.89	80.88	81.93	82.97	84.38	85.25
RPP	33.47	39.43	47.21	65.78	53.81	56.97	57.20	57.66	58.32	59.95	61.29	62.60	64.07	65.07
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**794.56**	**775.49**	**817.68**	**839.95**	**829.63**	**842.40**	**839.90**	**831.71**	**839.16**	**856.83**	**867.85**	**880.32**	**889.77**	**894.12**
Biomass	101.16	92.12	107.44	106.55	101.39	101.67	98.78	97.91	98.70	100.36	101.07	101.87	103.33	103.90
Coal, Coke & Coke Oven Gas	27.59	25.70	26.99	27.18	24.89	26.15	26.35	25.95	26.63	27.37	28.02	28.66	29.05	29.36
Electricity	324.75	333.22	345.91	363.19	351.28	361.97	364.34	363.16	370.08	379.33	384.40	392.66	395.58	396.68
Natural Gas	136.32	106.57	121.37	109.23	115.22	112.48	108.95	104.96	103.06	102.83	102.72	102.54	102.18	101.19
LPG & Petroleum Feedstocks	22.58	27.46	30.24	31.42	35.01	35.10	35.94	36.54	37.33	38.66	39.78	40.55	41.58	42.41
RPP	95.63	95.72	87.27	103.64	102.34	106.77	105.19	103.30	102.26	104.40	105.95	106.90	108.65	109.59
Still Gas & Petroleum Coke	81.84	90.06	92.10	92.71	94.60	93.38	94.62	95.27	96.55	99.32	101.38	102.63	104.99	106.70
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	4.69	4.63	6.37	6.02	4.89	4.89	4.75	4.62	4.56	4.56	4.54	4.51	4.42	4.30

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
18.69	18.88	19.05	19.24	19.42	19.67	19.87	20.13	20.57	21.03	21.52	22.02	22.59	23.16	23.81	24.47	25.22
9.95	9.86	9.78	9.70	9.63	9.57	9.53	9.49	9.46	9.43	9.39	9.36	9.33	9.29	9.26	9.23	9.20
13.91	13.77	13.66	13.55	13.45	13.38	13.32	13.26	13.22	13.17	13.12	13.08	13.03	12.99	12.94	12.90	12.85
20.91	21.16	21.38	21.63	21.86	22.18	22.44	22.78	23.34	23.93	24.56	25.21	25.93	26.66	27.49	28.34	29.30
7.82	7.74	7.68	7.62	7.56	7.52	7.48	7.45	7.43	7.40	7.38	7.35	7.32	7.30	7.27	7.25	7.22
14.10	13.97	13.85	13.74	13.64	13.56	13.50	13.45	13.40	13.35	13.31	13.26	13.21	13.17	13.12	13.07	13.03
10.99	11.10	11.20	11.31	11.42	11.56	11.67	11.82	12.07	12.34	12.62	12.91	13.23	13.56	13.93	14.31	14.74
6.63	6.57	6.51	6.46	6.42	6.38	6.35	6.33	6.30	6.28	6.26	6.24	6.22	6.19	6.17	6.15	6.13
10.41	10.31	10.22	10.14	10.07	10.01	9.96	9.92	9.89	9.86	9.82	9.79	9.75	9.72	9.68	9.65	9.62
25.25	25.01	24.80	24.60	24.42	24.28	24.17	24.08	24.00	23.91	23.82	23.74	23.66	23.58	23.49	23.41	23.33
21.35	21.14	20.97	20.80	20.65	20.53	20.44	20.36	20.29	20.22	20.14	20.07	20.00	19.93	19.86	19.79	19.73

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2 210.37	**2 247.75**	**2 295.60**	**2 340.50**	**2 367.69**	**2 390.12**	**2 413.11**	**2 431.90**	**2 453.17**	**2 474.14**	**2 495.41**	**2 519.02**	**2 552.07**	**2 576.19**	**2 591.31**	**2 608.69**	**2 629.34**
985.71	1 006.95	1 030.99	1 053.30	1 069.11	1 083.27	1 097.07	1 109.54	1 122.38	1 134.94	1 147.52	1 160.65	1 177.51	1 191.80	1 203.48	1 216.04	1 229.81
789.46	799.01	813.58	827.38	833.81	837.87	842.57	845.25	849.16	852.84	856.52	861.34	870.06	874.14	873.56	873.74	875.16
216.89	219.81	223.90	228.09	230.40	232.57	234.91	236.98	239.60	242.46	245.54	248.94	253.15	256.81	259.89	263.35	267.23
184.47	187.64	191.82	195.49	197.64	199.34	201.10	202.46	203.94	205.34	206.79	208.34	210.58	211.95	212.52	213.17	214.11
33.84	34.34	35.31	36.25	36.73	37.07	37.45	37.68	38.10	38.56	39.05	39.75	40.77	41.48	41.87	42.38	43.03
406.41	**411.47**	**417.39**	**422.33**	**425.45**	**427.41**	**429.42**	**431.18**	**432.51**	**433.52**	**434.41**	**[illegible]**	**436.63**	**437.68**	**438.17**	**438.51**	**438.97**
80.08	81.49	83.07	84.47	85.51	86.32	87.13	87.88	88.56	89.19	89.81	90.38	91.20	91.91	92.53	93.13	93.78
244.47	247.21	250.37	252.85	254.19	254.78	255.35	255.78	255.87	255.71	255.37	254.77	254.64	254.10	253.17	252.06	250.91
30.32	30.72	31.20	31.63	31.94	32.18	32.44	32.68	32.90	33.13	33.37	33.61	33.98	34.32	34.64	34.97	35.34
51.54	52.06	52.75	53.38	53.81	54.14	54.51	54.84	55.17	55.50	55.86	56.22	56.81	57.34	57.83	58.35	58.93
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
298.21	**303.50**	**309.10**	**315.62**	**319.62**	**323.49**	**327.30**	**330.82**	**334.59**	**338.28**	**341.90**	**345.40**	**349.45**	**352.95**	**355.91**	**359.07**	**362.47**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.96	147.75	149.59	151.71	152.68	153.52	154.28	154.90	155.48	155.90	156.18	156.32	156.53	156.43	156.03	155.61	155.17
86.20	88.11	90.20	92.70	94.41	96.15	97.88	99.55	101.41	103.33	105.30	107.27	109.56	111.72	113.73	115.88	118.19
66.04	67.63	69.30	71.20	72.52	73.83	75.13	76.37	77.70	79.05	80.42	81.81	83.36	84.81	86.15	87.58	89.12
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
898.61	**913.30**	**936.53**	**957.69**	**969.02**	**977.82**	**987.83**	**994.83**	**1 004.67**	**1 014.79**	**1 025.50**	**[illegible]**	**1 058.50**	**1 071.36**	**1 077.51**	**1 085.56**	**1 096.04**
104.39	106.16	108.75	111.01	112.13	113.02	113.97	114.58	115.37	116.15	116.98	117.96	119.38	120.04	119.99	120.04	120.33
29.65	30.21	31.21	32.19	32.74	33.15	33.58	33.87	34.34	34.83	35.36	36.08	37.10	37.83	38.25	38.79	39.44
398.02	403.03	412.59	421.77	425.89	428.52	431.88	433.52	436.74	440.17	443.90	449.18	457.81	462.54	463.27	464.98	468.00
100.35	100.97	102.49	103.75	104.04	104.24	104.58	104.74	105.28	106.00	106.86	108.06	109.60	110.76	111.52	112.49	113.70
43.18	44.36	45.88	47.15	48.14	49.03	49.97	50.83	51.80	52.73	53.66	54.69	55.93	57.03	57.94	58.91	59.93
110.59	113.65	116.72	119.58	121.28	122.71	124.29	125.52	126.91	128.38	129.88	131.62	133.90	135.55	136.59	137.92	139.62
108.25	110.80	114.79	118.18	120.82	123.22	125.69	127.97	130.47	132.80	135.18	137.82	141.10	143.95	146.33	148.83	151.44
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.19	4.12	4.10	4.06	3.99	3.93	3.87	3.81	3.76	3.72	3.69	3.67	3.67	3.65	3.62	3.60	3.58

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**467.49**	**464.07**	**498.90**	**514.63**	**525.59**	**530.76**	**533.00**	**538.45**	**541.12**	**553.64**	**568.38**	**580.54**	**592.90**	**600.54**
Aviation Fuel	26.71	29.05	53.27	48.27	47.16	46.94	46.77	47.14	47.49	48.76	50.63	52.26	53.33	53.97
Diesel	144.55	132.90	134.39	146.47	154.93	161.56	163.72	165.89	166.49	171.34	175.96	179.58	183.82	186.51
Electric	1.08	1.07	1.02	1.04	1.05	1.01	1.00	0.99	0.97	0.98	0.99	1.00	1.01	1.01
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	13.09	15.84	16.28	16.32	16.86	17.11	17.37	17.63	17.89	18.16	18.43	18.71	18.99	19.28
LPG	0.57	0.87	0.54	0.46	0.61	0.59	0.57	0.55	0.53	0.52	0.52	0.51	0.50	0.49
Lubricants	1.98	1.81	1.72	2.00	2.02	2.06	2.13	2.19	2.25	2.33	2.41	2.48	2.55	2.61
Motor Gasoline	279.48	282.48	291.64	300.02	302.93	301.44	301.41	304.04	305.47	311.52	319.43	325.98	332.68	336.65
Natural Gas	0.03	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	1816.25	1776.34	1886.56	1973.63	1969.36	1999.81	2009.42	2015.59	2030.04	2072.35	2109.69	2144.24	2176.94	2194.68
Total Electric and Steam Energy Demand for Generation	695.50	661.47	684.37	689.43	685.34	758.02	781.79	796.49	810.88	836.15	810.53	855.58	893.99	899.54
Less Electricity and Steam Secondary Demand	635.13	640.10	667.63	701.91	694.97	713.15	723.12	728.05	738.42	754.43	765.35	778.73	787.16	790.72
Total Primary Demand	**1 876.62**	**1 797.71**	**1 903.31**	**1 961.16**	**1 959.72**	**2 044.68**	**2 068.09**	**2 084.02**	**2 102.50**	**2 154.08**	**2 154.86**	**2 221.08**	**2 283.77**	**2 303.51**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	247.51	206.36	232.20	223.19	225.25	227.11	243.37	239.45	236.59	237.77	239.27	240.54	241.98	242.06
RPP	757.67	768.98	807.20	882.30	882.36	929.20	932.04	937.45	941.62	962.48	984.01	996.88	1 016.30	1 028.56
Coal, Coke and Coke Oven Gas	27.59	25.70	26.99	27.18	24.89	26.15	26.35	25.95	26.63	27.37	28.02	28.66	29.05	29.36
Hydro	625.12	593.34	616.35	616.14	602.34	628.98	633.16	643.46	652.30	686.44	698.57	698.78	717.20	717.20
Nuclear	56.68	54.58	52.54	41.12	56.57	57.75	57.75	57.75	57.75	43.31	0.00	43.31	57.75	57.75
Biofuels & Emerging Energy	162.06	148.75	168.03	171.22	168.31	175.49	175.43	179.95	187.60	196.70	204.99	212.92	221.49	228.58

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**8.35**	**8.01**	**8.17**	**8.49**	**8.20**	**8.09**	**7.91**	**7.77**	**7.63**	**7.52**	**7.44**	**7.36**	**7.26**	**7.18**
Residential (PJ/Personal Income)	1.81	1.68	1.75	1.86	1.85	1.81	1.80	1.78	1.75	1.73	1.71	1.69	1.67	1.65
Commercial (PJ/GO)	1.00	0.98	1.02	1.11	1.02	1.04	1.02	1.00	0.98	0.96	0.95	0.94	0.93	0.92
Industrial (PJ/GO)	4.52	4.36	4.45	4.65	4.46	4.33	4.17	4.03	3.91	3.79	3.68	3.59	3.50	3.43
Transportation (PJ/GDP)	2.15	2.09	2.16	2.21	2.19	2.15	2.10	2.07	2.03	2.01	2.00	1.99	1.98	1.96

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non-energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
607.14	**619.48**	**632.58**	**644.86**	**653.60**	**661.39**	**668.56**	**675.08**	**681.40**	**687.55**	**693.60**	**699.57**	**707.49**	**714.20**	**719.72**	**725.54**	**731.86**
54.50	55.46	56.60	57.68	58.54	59.34	60.09	60.82	61.55	62.30	63.09	63.88	64.98	66.01	66.98	67.99	69.06
189.06	194.20	199.07	203.78	206.99	209.93	212.91	215.50	218.13	220.77	223.31	225.97	229.07	231.68	233.83	236.26	238.99
1.01	1.02	1.03	1.04	1.05	1.05	1.06	1.06	1.06	1.06	1.07	1.07	1.07	1.08	1.08	1.08	1.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.57	19.86	20.16	20.46	20.77	21.08	21.39	21.71	22.04	22.37	22.71	23.05	23.39	23.74	24.10	24.46	24.83
0.49	0.48	0.48	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50
2.66	2.74	2.82	2.90	2.97	3.04	3.10	3.16	3.22	3.28	3.35	3.41	3.48	3.55	3.62	3.68	3.75
339.84	345.71	352.41	358.51	362.80	366.46	369.52	372.33	374.91	377.28	379.60	381.71	385.00	387.64	389.61	391.56	393.64
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2210.37	2247.75	2295.60	2340.50	2367.69	2390.12	2413.10	2431.90	2453.17	2474.14	2495.41	2519.02	2552.07	2576.19	2591.31	2608.69	2629.34
905.10	910.65	922.70	934.61	946.40	958.06	962.97	967.88	972.79	977.70	982.61	987.51	992.42	997.33	1 002.24	1 007.15	1 011.36
793.65	803.13	817.68	831.44	837.80	841.79	846.44	849.06	852.92	856.57	860.21	865.01	873.73	877.79	877.17	877.34	878.74
2 321.82	**2 355.27**	**2 400.62**	**2 443.68**	**2 476.29**	**2 506.38**	**2 529.63**	**2 550.72**	**2 573.03**	**2 595.27**	**2 617.81**	**2 641.52**	**2 670.77**	**2 695.73**	**2 716.38**	**2 738.50**	**2 761.96**
242.30	245.22	249.31	253.50	255.81	257.98	260.32	262.39	265.01	267.87	270.95	274.35	278.56	282.22	285.30	288.76	292.64
1 039.52	1 060.76	1 084.80	1 107.11	1 122.92	1 137.07	1 150.88	1 163.35	1 176.19	1 188.75	1 201.33	1 214.46	1 231.32	1 245.61	1 257.28	1 269.85	1 283.61
29.65	30.21	31.21	32.19	32.74	33.15	33.58	33.87	34.34	34.83	35.36	36.08	37.10	37.83	38.25	38.79	39.44
717.20	717.20	723.82	730.44	737.06	743.68	743.68	743.68	743.68	743.68	743.68	743.68	743.68	743.68	743.68	743.68	742.98
57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75
235.40	244.13	253.73	262.69	270.01	276.75	283.42	289.69	296.08	302.39	308.75	315.20	322.36	328.64	334.12	339.67	345.53

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.10	**7.01**	**6.95**	**6.86**	**6.79**	**6.71**	**6.64**	**6.57**	**6.50**	**6.44**	**6.37**	**6.31**	**6.26**	**6.20**	**6.14**	**6.09**	**6.03**
1.62	1.60	1.58	1.55	1.53	1.50	1.48	1.46	1.43	1.41	1.39	1.37	1.34	1.32	1.30	1.28	1.25
0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.86	0.85	0.85	0.84	0.84	0.83	0.83	0.82
3.36	3.29	3.24	3.18	3.13	3.07	3.03	2.98	2.94	2.90	2.86	2.82	2.79	2.76	2.72	2.68	2.65
1.95	1.93	1.91	1.89	1.87	1.86	1.84	1.82	1.81	1.79	1.77	1.75	1.73	1.72	1.71	1.69	1.68

Table A2.13: Demand, Reference Case and Continuing Trends, Saskatchewan

Section 1: End Use Energy Prices (C$2006/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	26.23	26.45	28.35	26.74	25.29	26.71	25.92	26.37	30.56	31.00	31.30	30.33	31.65	31.81
Natural Gas	6.98	6.95	6.70	6.70	6.88	7.96	9.13	9.24	9.94	9.01	8.17	8.09	8.00	7.92
Light Fuel Oil	11.38	11.93	11.26	12.15	12.15	15.91	17.18	15.21	13.92	12.79	11.76	11.65	11.52	11.39
Commercial														
Electricity	19.26	17.34	19.96	19.54	18.02	18.94	18.40	18.77	21.92	22.26	22.50	21.78	22.79	22.93
Natural Gas	5.30	5.36	4.90	4.71	4.86	6.08	7.39	7.57	8.28	7.37	6.55	6.48	6.41	6.34
Light Fuel Oil	11.38	11.93	11.26	12.15	12.35	16.10	17.35	15.37	14.09	12.95	11.92	11.81	11.68	11.55
Industrial														
Electricity	14.32	14.59	15.37	14.43	13.65	13.98	13.67	14.07	16.87	17.18	17.42	16.82	17.76	17.93
Natural Gas	4.24	4.76	4.90	4.59	4.71	5.94	7.26	7.45	8.16	7.25	6.42	6.36	6.29	6.22
Heavy Fuel Oil	7.55	7.92	7.47	8.07	8.17	12.21	13.75	11.92	10.67	9.56	8.56	8.48	8.39	8.30
Transportation														
Gasoline	24.66	24.96	25.29	25.29	25.29	28.15	28.51	26.07	24.68	23.46	22.33	22.12	21.88	21.64
Diesel	19.43	20.15	18.58	19.25	19.25	22.52	23.30	21.08	19.73	18.55	17.47	17.30	17.11	16.92

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**436.60**	**413.16**	**431.71**	**441.30**	**442.21**	**454.72**	**459.39**	**461.49**	**453.66**	**455.04**	**455.76**	**454.21**	**453.53**	**451.25**
RPP[1,2]	146.89	142.11	147.65	165.90	162.53	163.71	165.41	166.48	165.93	167.98	169.83	170.66	171.79	172.01
Electric	58.15	57.58	58.04	60.30	59.77	62.20	63.60	64.02	63.19	63.24	63.02	62.66	62.33	61.85
Natural Gas	215.56	195.07	207.07	194.89	198.49	206.51	208.07	205.76	198.94	197.70	196.44	194.11	192.30	190.12
Biofuels & Emerging Energy[3]	10.33	12.78	13.51	14.16	14.90	15.53	15.45	18.54	18.75	19.10	19.28	19.46	19.67	19.75
Other[4]	5.67	5.61	5.44	6.05	6.53	6.77	6.87	6.71	6.84	7.03	7.20	7.32	7.45	7.53
Residential Sector	**49.03**	**48.30**	**49.75**	**45.93**	**44.75**	**49.63**	**51.21**	**52.22**	**51.91**	**52.28**	**52.82**	**52.86**	**53.01**	**52.76**
Biomass	1.11	1.03	1.14	1.12	1.11	1.26	1.32	1.37	1.39	1.42	1.45	1.47	1.48	1.49
Electricity	9.80	9.94	10.21	10.44	10.31	10.71	11.00	11.17	11.06	11.08	11.13	11.09	11.07	10.99
Natural Gas	36.64	36.09	37.26	32.75	31.22	35.31	36.52	37.30	37.14	37.48	37.96	38.06	38.24	38.12
RPP[1]	0.90	0.76	0.80	0.75	1.12	1.22	1.22	1.21	1.17	1.16	1.14	1.12	1.09	1.06
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.57	0.47	0.33	0.86	0.99	1.13	1.15	1.16	1.14	1.14	1.14	1.13	1.12	1.10
Commercial Sector	**100.26**	**83.44**	**97.81**	**87.50**	**81.99**	**87.11**	**88.52**	**89.45**	**86.87**	**86.81**	**86.55**	**86.00**	**85.73**	**85.46**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	20.18	18.95	19.39	19.05	18.90	19.98	20.40	20.69	20.26	20.29	20.18	20.05	19.96	19.83
Natural Gas	75.28	58.81	70.48	58.83	55.53	58.84	59.74	60.31	58.16	57.90	57.63	57.09	56.80	56.57
RPP[1]	4.80	5.68	7.95	9.62	7.56	8.29	8.38	8.45	8.45	8.62	8.74	8.85	8.98	9.05
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**165.62**	**166.84**	**167.20**	**184.39**	**189.50**	**193.15**	**194.04**	**190.79**	**186.67**	**186.31**	**185.23**	**183.56**	**182.10**	**180.20**
Biomass	9.22	11.75	12.37	13.04	13.79	14.26	14.12	13.97	14.20	14.50	14.65	14.83	15.04	15.12
Coal, Coke & Coke Oven Gas	5.10	5.14	5.11	5.20	5.53	5.64	5.72	5.55	5.70	5.89	6.06	6.19	6.33	6.43
Electricity	28.17	28.69	28.45	30.81	30.55	31.51	32.20	32.14	31.86	31.85	31.70	31.51	31.29	31.02
Natural Gas	103.60	100.13	99.29	103.27	111.71	112.33	111.77	108.10	103.60	102.29	100.81	98.93	97.23	95.39
LPG & Petroleum Feedstocks	5.73	7.21	7.20	17.23	14.53	15.10	15.83	16.56	16.80	16.91	16.89	16.84	16.78	16.74
RPP[1]	7.42	7.34	8.14	8.15	6.78	7.26	7.32	7.40	7.42	7.60	7.71	7.78	7.86	7.88
Still Gas & Petroleum Coke	6.38	6.58	6.65	6.70	6.61	7.05	7.08	7.06	7.10	7.28	7.41	7.48	7.57	7.63
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
31.87	32.32	33.16	33.52	34.22	35.13	35.99	32.37	32.89	33.52	34.19	34.94	35.87	36.82	37.87	39.04	40.31
7.83	7.75	7.69	7.63	7.57	7.53	7.50	7.47	7.44	7.41	7.39	7.36	7.34	7.31	7.29	7.26	7.23
11.27	11.16	11.07	10.98	10.90	10.84	10.79	10.75	10.71	10.67	10.63	10.60	10.56	10.52	10.49	10.45	10.41
22.99	23.34	23.99	24.27	24.80	25.50	26.16	23.45	23.85	24.33	24.84	25.41	26.12	26.84	27.63	28.52	29.48
6.27	6.21	6.16	6.11	6.07	6.03	6.00	5.98	5.96	5.94	5.92	5.90	5.88	5.86	5.84	5.82	5.80
11.42	11.31	11.22	11.13	11.05	10.99	10.94	10.89	10.86	10.82	10.78	10.74	10.70	10.67	10.63	10.59	10.56
18.03	18.39	19.00	19.28	19.78	20.41	21.00	18.63	19.01	19.44	19.91	20.41	21.04	21.69	22.38	23.16	24.00
6.16	6.10	6.05	6.00	5.96	5.92	5.89	5.87	5.85	5.83	5.81	5.79	5.77	5.75	5.73	5.71	5.69
8.21	8.13	8.06	8.00	7.94	7.89	7.86	7.82	7.80	7.77	7.74	7.72	7.69	7.66	7.64	7.61	7.58
21.40	21.19	21.02	20.85	20.70	20.58	20.49	20.41	20.34	20.27	20.19	20.12	20.05	19.98	19.91	19.84	19.77
16.74	16.58	16.44	16.31	16.19	16.10	16.03	15.96	15.91	15.85	15.80	15.74	15.69	15.63	15.58	15.52	15.47

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
448.17	**448.91**	**449.06**	**450.45**	**449.94**	**450.24**	**448.87**	**447.67**	**446.82**	**446.07**	**445.18**	**443.11**	**444.18**	**445.01**	**445.07**	**445.70**	**446.83**
171.34	172.19	173.10	174.17	174.69	175.21	175.48	175.76	176.22	176.82	177.45	178.05	179.41	180.68	181.71	182.88	184.20
61.24	60.98	60.97	61.02	60.60	60.23	59.74	59.46	59.28	59.09	58.86	58.40	58.32	58.16	57.84	57.55	57.27
188.19	187.95	186.53	186.20	185.27	185.20	183.86	182.57	181.32	180.07	178.71	176.43	176.02	175.67	175.13	174.96	175.08
19.81	20.09	20.53	20.91	21.10	21.22	21.33	21.36	21.39	21.40	21.40	21.41	21.51	21.49	21.36	21.26	21.21
7.59	7.69	7.94	8.16	8.28	8.38	8.47	8.52	8.61	8.69	8.75	8.82	8.93	9.01	9.04	9.06	9.07
52.42	**52.56**	**52.69**	**52.65**	**52.59**	**52.42**	**52.25**	**52.08**	**51.90**	**51.69**	**51.47**	**51.14**	**51.02**	**50.87**	**50.68**	**50.48**	**50.29**
1.49	1.51	1.52	1.53	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54	1.54	1.54
10.89	10.90	10.91	10.89	10.87	10.82	10.79	10.77	10.76	10.74	10.72	10.68	10.69	10.69	10.68	10.67	10.66
37.93	38.07	38.21	38.22	38.21	38.11	38.01	37.89	37.75	37.59	37.42	37.16	37.06	36.94	36.79	36.63	36.48
1.02	1.00	0.98	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.74	0.73	0.71
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.08	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.91	0.90
85.04	**85.36**	**85.66**	**86.31**	**86.01**	**85.84**	**85.40**	**85.31**	**85.51**	**85.81**	**85.82**	**84.70**	**85.18**	**85.57**	**85.66**	**85.92**	**86.22**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.68	19.68	19.67	19.73	19.60	19.48	19.32	19.26	19.25	19.24	19.19	18.95	18.96	18.95	18.88	18.83	18.78
56.25	56.44	56.60	57.03	56.78	56.64	56.27	56.14	56.27	56.46	56.45	55.47	55.83	56.14	56.22	56.43	56.69
9.12	9.25	9.39	9.55	9.64	9.72	9.82	9.90	10.00	10.10	10.19	10.28	10.38	10.48	10.56	10.66	10.75
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178.02	**177.20**	**175.74**	**175.35**	**174.54**	**174.63**	**173.49**	**172.16**	**170.79**	**169.38**	**168.13**	**167.08**	**166.75**	**166.37**	**165.78**	**165.50**	**165.57**
15.16	15.35	15.67	15.92	16.01	16.05	16.11	16.12	16.16	16.20	16.25	16.33	16.48	16.52	16.45	16.39	16.37
6.50	6.62	6.87	7.10	7.24	7.34	7.45	7.51	7.61	7.70	7.78	7.86	7.98	8.07	8.11	8.14	8.17
30.67	30.40	30.38	30.39	30.13	29.92	29.62	29.42	29.27	29.10	28.94	28.76	28.66	28.51	28.27	28.04	27.82
93.98	93.40	91.68	90.92	90.25	90.42	89.55	88.51	87.27	85.99	84.82	83.76	83.09	82.56	82.09	81.86	81.88
16.66	16.57	16.47	16.33	16.19	16.00	15.82	15.61	15.42	15.21	15.01	14.82	14.65	14.48	14.28	14.08	13.91
7.80	7.95	8.02	8.12	8.18	8.17	8.17	8.14	8.10	8.06	8.04	8.03	8.07	8.12	8.17	8.23	8.30
7.25	6.90	6.66	6.57	6.55	6.74	6.78	6.85	6.97	7.11	7.29	7.52	7.81	8.12	8.43	8.76	9.13
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**121.69**	**114.58**	**116.95**	**123.48**	**125.98**	**124.83**	**125.63**	**129.04**	**128.21**	**129.64**	**131.16**	**131.79**	**132.70**	**132.83**
Aviation Fuel	2.33	2.60	2.57	2.23	2.03	1.92	1.85	1.79	1.77	1.79	1.86	1.91	1.94	1.96
Diesel	59.47	52.16	54.25	58.61	61.69	61.64	62.52	63.12	62.55	63.24	63.68	63.82	64.06	64.04
Electric	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	3.16	3.18	3.18	3.16	3.15	3.14
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.41	0.49	0.28	0.20	0.24	0.23	0.21	0.20	0.18	0.17	0.15	0.14	0.13	0.11
Lubricants	0.94	0.88	0.85	0.81	0.79	0.81	0.84	0.86	0.87	0.89	0.91	0.92	0.93	0.94
Motor Gasoline	58.51	58.41	58.96	61.59	61.18	60.19	60.15	59.82	59.62	60.33	61.34	61.81	62.45	62.59
Natural Gas	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	436.60	413.16	431.71	441.30	442.21	454.72	459.39	461.49	453.66	455.04	455.76	454.21	453.53	451.25
Total Electric and Steam Energy Demand for Generation	174.61	183.90	183.37	205.21	206.67	209.76	211.50	212.04	196.21	195.86	183.32	179.89	172.59	170.21
Less Electricity and Steam Secondary Demand	58.15	57.58	58.04	60.30	59.77	62.20	63.60	64.02	63.19	63.24	63.02	62.66	62.33	61.85
Total Primary Demand	**553.06**	**539.48**	**557.04**	**586.21**	**589.11**	**602.28**	**607.30**	**609.52**	**586.68**	**587.67**	**576.06**	**571.44**	**563.79**	**559.61**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	241.25	224.28	237.25	245.50	245.54	248.64	249.93	247.66	240.04	237.95	232.27	229.85	227.91	225.72
RPP	147.14	142.33	147.87	166.23	162.81	164.13	165.81	166.88	166.33	168.38	170.22	171.04	172.16	172.38
Coal, Coke and Coke Oven Gas	143.38	151.48	148.21	147.82	155.72	160.72	162.84	162.71	147.35	147.57	139.15	135.48	127.56	124.81
Hydro	10.96	8.60	10.20	12.29	9.88	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.89	11.89
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	10.33	12.78	13.51	14.37	15.16	17.31	17.23	20.79	21.47	22.29	22.94	23.59	24.27	24.82

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**13.99**	**13.44**	**14.30**	**14.21**	**13.80**	**13.83**	**13.54**	**13.28**	**12.97**	**12.73**	**12.57**	**12.39**	**12.20**	**12.03**
Residential (PJ/Personal Income)	2.30	2.29	2.38	2.14	2.01	2.19	2.16	2.12	2.08	2.05	2.02	1.99	1.96	1.93
Commercial (PJ/GO)	3.20	2.61	3.05	2.67	2.46	2.54	2.51	2.48	2.39	2.34	2.30	2.26	2.22	2.18
Industrial (PJ/GO)	6.35	6.80	7.07	7.98	7.70	7.49	7.31	7.06	6.80	6.61	6.44	6.27	6.12	5.98
Transportation (PJ/GDP)	3.90	3.73	3.88	3.98	3.93	3.80	3.70	3.71	3.66	3.63	3.62	3.59	3.57	3.54

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
132.69	**133.79**	**134.98**	**136.13**	**136.79**	**137.34**	**137.73**	**138.12**	**138.62**	**139.20**	**139.76**	**140.20**	**141.24**	**142.20**	**142.96**	**143.80**	**144.74**
1.98	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29	2.33	2.38	2.41	2.47	2.52	2.57	2.62	2.67
63.83	64.35	64.88	65.51	65.78	66.01	66.17	66.33	66.60	66.96	67.31	67.72	68.37	68.99	69.49	70.09	70.77
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3.16	3.23	3.34	3.46	3.55	3.63	3.67	3.68	3.68	3.65	3.60	3.54	3.49	3.43	3.37	3.33	3.30
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02
0.95	0.97	0.99	1.00	1.02	1.03	1.04	1.06	1.07	1.08	1.10	1.11	1.12	1.14	1.15	1.17	1.18
62.63	63.09	63.59	63.95	64.20	64.40	64.54	64.70	64.90	65.10	65.29	65.35	65.73	66.06	66.30	66.53	66.75
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
448.17	448.91	449.06	450.45	449.94	450.24	448.87	447.67	446.82	446.07	445.18	443.11	444.18	445.01	445.07	445.70	446.83
167.58	159.81	161.76	166.40	157.46	155.95	149.60	148.74	147.59	145.93	144.93	143.24	142.25	141.67	139.99	138.54	136.46
61.24	60.98	60.97	61.02	60.60	60.23	59.74	59.46	59.28	59.09	58.86	58.40	58.32	58.16	57.84	57.55	57.27
554.51	**547.73**	**549.86**	**555.83**	**546.80**	**545.96**	**538.73**	**536.95**	**535.13**	**532.91**	**531.24**	**527.95**	**528.11**	**528.52**	**527.23**	**526.69**	**526.03**
223.78	223.39	221.98	221.66	220.58	220.51	219.93	218.64	217.38	216.13	214.77	213.25	212.84	212.50	211.95	212.55	212.68
171.71	172.54	173.45	174.53	175.04	175.56	175.78	176.06	176.53	177.10	177.74	178.34	179.69	180.97	182.00	183.17	184.48
121.77	113.80	115.62	120.18	111.36	109.78	102.65	101.70	100.49	98.78	97.69	95.16	94.13	93.47	91.67	89.32	87.11
11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.35	26.11	26.92	27.57	27.93	28.22	28.47	28.65	28.84	29.00	29.15	29.31	29.56	29.68	29.71	29.76	29.86

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11.85	**11.68**	**11.48**	**11.28**	**11.13**	**11.01**	**10.85**	**10.70**	**10.55**	**10.39**	**10.25**	**10.08**	**9.97**	**9.85**	**9.75**	**9.65**	**9.56**
1.90	1.88	1.85	1.82	1.79	1.77	1.74	1.71	1.69	1.66	1.64	1.61	1.58	1.56	1.53	1.51	1.48
2.15	2.12	2.09	2.07	2.04	2.01	1.97	1.95	1.93	1.91	1.89	1.85	1.84	1.82	1.81	1.80	1.78
5.85	5.71	5.53	5.39	5.28	5.20	5.09	4.99	4.88	4.77	4.66	4.55	4.45	4.36	4.28	4.20	4.13
3.51	3.48	3.45	3.41	3.38	3.36	3.33	3.30	3.27	3.24	3.22	3.19	3.17	3.15	3.13	3.11	3.10

Table A2.14: Demand, Reference Case and Continuing Trends, Yukon

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	43.51	32.89	40.44	32.54	30.08	33.02	33.35	33.68	34.01	34.38	34.71	35.07	35.40	35.76
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	10.86	11.53	10.59	9.74	9.65	9.54	9.44
Light Fuel Oil	13.90	15.14	13.80	15.45	15.40	18.94	19.99	17.90	16.59	15.43	14.38	14.24	14.09	13.93
Commercial														
Electricity	48.51	38.97	39.83	35.61	33.02	33.02	33.35	33.68	34.01	34.38	34.71	35.07	35.40	35.76
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	9.66	10.35	9.42	8.57	8.49	8.40	8.31
Light Fuel Oil	13.90	15.14	13.80	15.45	15.64	19.16	20.19	18.09	16.78	15.62	14.57	14.43	14.27	14.11
Industrial														
Electricity	13.98	11.54	19.08	19.56	17.91	17.91	18.09	18.26	18.44	18.64	18.82	19.02	19.20	19.39
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	8.88	9.58	8.66	7.82	7.75	7.66	7.58
Heavy Fuel Oil	9.22	10.04	9.16	10.26	10.31	14.20	15.60	13.69	12.42	11.30	10.28	10.18	10.07	9.96
Transportation														
Gasoline	29.64	29.87	29.97	29.97	29.97	32.50	32.54	29.94	28.51	27.25	26.09	25.84	25.56	25.28
Diesel	23.44	24.99	23.89	24.24	24.24	27.17	27.60	25.20	23.82	22.60	21.48	21.28	21.05	20.82

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**7.10**	**6.83**	**6.94**	**7.14**	**6.77**	**6.81**	**6.94**	**7.11**	**7.20**	**7.29**	**7.37**	**7.80**	**8.10**	**8.21**
RPP[1,2]	4.80	4.95	5.10	5.56	5.42	5.40	5.55	5.69	5.77	5.85	5.93	6.36	6.66	6.79
Electric	0.99	0.99	0.99	1.02	1.07	1.09	1.10	1.13	1.14	1.15	1.15	1.17	1.18	1.18
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.19	0.18	0.17	0.16	0.15	0.13	0.10	0.09
Biofuels & Emerging Energy[3]	0.06	0.07	0.07	0.09	0.11	0.09	0.10	0.11	0.12	0.13	0.13	0.14	0.15	0.16
Other[4]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**0.93**	**0.86**	**0.93**	**1.11**	**1.30**	**1.08**	**1.15**	**1.20**	**1.24**	**1.26**	**1.28**	**1.33**	**1.38**	**1.40**
Biomass	0.06	0.07	0.06	0.09	0.11	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.15
Electricity	0.43	0.42	0.43	0.43	0.42	0.37	0.39	0.39	0.40	0.40	0.40	0.41	0.41	0.41
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.44	0.37	0.44	0.58	0.78	0.62	0.66	0.69	0.72	0.73	0.75	0.78	0.82	0.84
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**1.34**	**1.31**	**1.26**	**1.39**	**1.16**	**1.34**	**1.37**	**1.39**	**1.41**	**1.45**	**1.46**	**1.50**	**1.54**	**1.56**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.53	0.54	0.51	0.53	0.58	0.63	0.65	0.66	0.68	0.69	0.70	0.72	0.73	0.74
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.81	0.77	0.74	0.85	0.58	0.71	0.71	0.72	0.73	0.75	0.76	0.78	0.80	0.81
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**1.38**	**1.10**	**1.12**	**0.92**	**0.52**	**0.61**	**0.55**	**0.54**	**0.53**	**0.51**	**0.49**	**0.47**	**0.44**	**0.41**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.03	0.03	0.06	0.06	0.07	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.04	0.03
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.18	0.18	0.17	0.16	0.15	0.13	0.10	0.08
LPG & Petroleum Feedstocks	0.06	0.03	0.05	0.06	0.06	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05
RPP	0.05	0.22	0.24	0.34	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
36.13	36.49	36.85	37.22	37.58	37.94	38.34	38.74	39.10	39.50	39.89	40.29	40.68	41.11	41.51	41.94	42.34
9.34	9.25	9.17	9.10	9.03	8.98	8.94	8.90	8.87	8.84	8.81	8.78	8.75	8.72	8.69	8.66	8.63
13.78	13.65	13.53	13.43	13.33	13.25	13.19	13.14	13.10	13.05	13.00	12.96	12.91	12.87	12.82	12.78	12.73
36.13	36.49	36.85	37.22	37.58	37.94	38.34	38.74	39.10	39.50	39.89	40.29	40.68	41.11	41.51	41.94	42.34
8.22	8.14	8.07	8.01	7.95	7.90	7.87	7.83	7.81	7.78	7.75	7.73	7.70	7.67	7.64	7.62	7.59
13.96	13.82	13.71	13.60	13.50	13.43	13.36	13.31	13.27	13.22	13.17	13.13	13.08	13.03	12.99	12.94	12.90
19.59	19.79	19.98	20.18	20.38	20.57	20.79	21.00	21.20	21.42	21.63	21.85	22.06	22.29	22.51	22.74	22.96
7.50	7.42	7.36	7.30	7.25	7.21	7.18	7.15	7.12	7.10	7.07	7.05	7.02	7.00	6.97	6.95	6.93
9.85	9.76	9.68	9.60	9.53	9.48	9.43	9.40	9.36	9.33	9.30	9.27	9.23	9.20	9.17	9.14	9.10
25.00	24.76	24.56	24.36	24.19	24.05	23.94	23.84	23.76	23.68	23.59	23.51	23.43	23.35	23.27	23.18	23.10
20.59	20.39	20.22	20.06	19.92	19.80	19.71	19.63	19.57	19.50	19.43	19.36	19.29	19.22	19.16	19.09	19.02

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.11	**8.30**	**8.52**	**8.62**	**8.70**	**8.75**	**8.86**	**8.94**	**9.15**	**9.56**	**9.75**	**9.81**	**9.77**	**9.88**	**9.96**	**10.02**	**10.11**
6.71	6.84	7.05	7.15	7.23	7.29	7.39	7.47	7.67	8.06	8.24	8.26	8.21	8.31	8.38	8.43	8.51
1.17	1.20	1.22	1.22	1.22	1.22	1.22	1.22	1.23	1.25	1.25	1.26	1.26	1.27	1.27	1.27	1.28
0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02
0.16	0.18	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.25	0.25	0.26	0.26	0.27	0.27
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03
1.40	**1.49**	**1.54**	**1.56**	**1.57**	**1.58**	**1.60**	**1.61**	**1.64**	**1.68**	**1.70**	**1.74**	**1.74**	**1.76**	**1.77**	**1.78**	**1.79**
0.16	0.17	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.23
0.40	0.41	0.42	0.41	0.41	0.41	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.85	0.91	0.94	0.96	0.98	0.99	1.00	1.01	1.03	1.06	1.08	1.11	1.11	1.12	1.13	1.14	1.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.57	**1.66**	**1.71**	**1.73**	**1.75**	**1.77**	**1.79**	**1.82**	**1.85**	**1.89**	**1.91**	**1.97**	**2.00**	**2.03**	**2.06**	**2.08**	**2.11**
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
0.74	0.77	0.79	0.79	0.80	0.80	0.81	0.82	0.82	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.82	0.86	0.89	0.91	0.92	0.93	0.95	0.97	0.99	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03
0.38	**0.35**	**0.34**	**0.33**	**0.32**	**0.31**	**0.31**	**0.31**	**0.31**	**0.31**	**0.31**	**0.31**	**0.31**	**0.31**	**0.32**	**0.32**	**0.32**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.30
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**3.45**	**3.56**	**3.63**	**3.73**	**3.79**	**3.77**	**3.89**	**3.98**	**4.02**	**4.08**	**4.14**	**4.51**	**4.74**	**4.84**
Aviation Fuel	0.43	0.28	0.27	0.37	0.39	0.36	0.36	0.36	0.37	0.37	0.37	0.39	0.41	0.41
Diesel	1.46	1.68	1.78	1.75	2.05	2.11	2.18	2.25	2.26	2.30	2.34	2.63	2.80	2.88
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.02	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
Lubricants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Gasoline	1.56	1.58	1.54	1.56	1.31	1.25	1.29	1.32	1.35	1.36	1.38	1.43	1.48	1.49
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	7.10	6.83	6.94	7.14	6.77	6.81	6.94	7.11	7.20	7.29	7.37	7.80	8.10	8.21
Total Electric and Steam Energy Demand for Generation	1.18	1.15	1.22	1.17	1.21	1.64	1.68	1.72	1.76	1.77	1.76	1.81	1.81	1.79
Less Electricity and Steam Secondary Demand	0.99	0.99	1.00	1.03	1.07	1.09	1.10	1.13	1.14	1.15	1.15	1.17	1.18	1.18
Total Primary Demand	**7.29**	**6.99**	**7.16**	**7.28**	**6.92**	**7.36**	**7.52**	**7.71**	**7.82**	**7.91**	**7.98**	**8.44**	**8.72**	**8.82**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.19	0.18	0.17	0.16	0.15	0.13	0.10	0.09
RPP	5.04	5.15	5.33	5.70	5.53	6.14	6.33	6.50	6.59	6.68	6.74	7.18	7.46	7.58
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.94	0.95	0.99	1.03	1.10	0.90	0.91	0.91	0.90	0.89	0.87	0.88	0.87	0.86
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.06	0.07	0.07	0.10	0.11	0.09	0.10	0.11	0.15	0.18	0.21	0.25	0.29	0.29

Section 4: Ratios	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**3.07**	**3.32**	**3.26**	**2.98**	**2.88**	**2.64**	**2.60**	**2.58**	**2.55**	**2.51**	**2.49**	**2.52**	**2.52**	**2.50**
Residential (PJ/Personal Income)	0.74	0.64	0.67	0.80	0.91	0.78	0.77	0.76	0.75	0.75	0.74	0.73	0.73	0.72
Commercial (PJ/GO)	0.78	0.72	0.66	0.71	0.58	0.65	0.64	0.63	0.63	0.63	0.63	0.63	0.62	0.62
Industrial (PJ/GO)	3.26	2.10	2.08	1.70	0.90	0.99	0.84	0.80	0.76	0.71	0.67	0.53	0.45	0.40
Transportation (PJ/GDP)	1.88	1.73	1.71	1.56	1.50	1.46	1.46	1.45	1.43	1.41	1.40	1.46	1.48	1.47

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4.76	**4.80**	**4.94**	**5.01**	**5.06**	**5.09**	**5.16**	**5.20**	**5.36**	**5.69**	**5.82**	**5.79**	**5.71**	**5.78**	**5.82**	**5.84**	**5.88**
0.41	0.44	0.46	0.47	0.47	0.48	0.49	0.50	0.51	0.53	0.54	0.56	0.56	0.57	0.58	0.59	0.60
2.81	2.75	2.83	2.87	2.90	2.93	2.97	3.00	3.12	3.39	3.49	3.41	3.33	3.37	3.39	3.39	3.42
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.48	1.55	1.59	1.61	1.62	1.62	1.63	1.64	1.67	1.71	1.73	1.76	1.76	1.77	1.78	1.78	1.80
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.11	8.30	8.52	8.62	8.70	8.75	8.86	8.94	9.15	9.56	9.75	9.81	9.77	9.88	9.96	10.02	10.11
1.76	1.86	1.90	1.90	1.90	1.90	1.90	1.90	1.92	1.97	1.98	1.99	1.99	2.01	2.02	2.02	2.04
1.17	1.21	1.22	1.23	1.23	1.22	1.23	1.23	1.24	1.25	1.26	1.27	1.27	1.28	1.28	1.29	1.29
8.71	**8.95**	**9.20**	**9.30**	**9.38**	**9.43**	**9.53**	**9.61**	**9.84**	**10.28**	**10.47**	**10.53**	**10.49**	**10.61**	**10.70**	**10.76**	**10.86**
0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02
7.48	7.69	7.94	8.03	8.11	8.17	8.28	8.35	8.58	9.00	9.17	9.21	9.16	9.27	9.36	9.41	9.50
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
0.86	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.90	0.90	0.90	0.91	0.91	0.91	0.91
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.29	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.37	0.39	0.39	0.40	0.40	0.41	0.41

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2.46	**2.31**	**2.28**	**2.26**	**2.25**	**2.23**	**2.21**	**2.20**	**2.20**	**2.22**	**2.21**	**2.14**	**2.11**	**2.09**	**2.08**	**2.06**	**2.04**
0.72	0.72	0.71	0.70	0.70	0.69	0.69	0.68	0.67	0.67	0.66	0.65	0.64	0.64	0.63	0.62	0.61
0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.59
0.39	0.42	0.40	0.37	0.36	0.34	0.33	0.32	0.30	0.27	0.26	0.27	0.28	0.28	0.28	0.28	0.28
1.44	1.34	1.32	1.31	1.31	1.30	1.29	1.28	1.29	1.32	1.32	1.26	1.23	1.22	1.21	1.20	1.19

Table A2.15: Demand, Triple E, Canada

Section 1: End Use Energy Prices (C$2005/GJ)

(demand weighted average of provincial prices)[1]	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	22.67	22.10	22.26	21.38	20.59	19.25	20.48	20.97	21.31	22.16	22.79	22.72	23.07	22.65
Natural Gas	8.87	9.58	9.70	9.62	9.82	10.60	11.44	12.17	14.48	13.98	14.17	13.11	12.07	11.21
Light Fuel Oil	14.29	14.19	13.13	15.18	15.22	18.76	19.83	19.02	18.84	18.69	19.73	18.63	17.80	16.64
Commercial														
Electricity	21.92	21.67	22.90	22.83	20.02	18.89	20.24	20.62	21.69	23.24	24.81	25.11	26.04	25.48
Natural Gas	6.71	7.30	7.49	7.59	7.71	8.70	9.80	10.75	13.58	13.47	14.15	13.19	12.30	11.47
Light Fuel Oil	13.78	13.88	12.74	14.74	14.91	18.47	19.55	18.74	18.56	18.40	19.45	18.34	17.30	16.34
Industrial														
Electricity	13.06	13.80	13.88	13.49	12.25	11.52	12.51	12.75	13.36	14.14	14.93	15.03	15.60	15.35
Natural Gas	3.62	4.04	6.05	5.36	5.38	6.51	7.76	8.78	11.61	11.50	12.21	11.25	10.37	9.55
Heavy Fuel Oil	8.92	9.07	8.27	9.52	9.64	13.59	15.03	14.33	14.11	13.98	15.03	13.95	12.93	12.00
Transportation														
Gasoline	27.00	27.18	27.22	27.24	27.23	29.95	30.18	28.94	28.65	28.40	29.26	28.05	26.90	25.83
Diesel	21.77	22.65	20.83	21.28	21.27	24.43	25.06	24.03	23.80	23.59	24.55	23.39	22.29	21.28

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**9 701.64**	**9 537.54**	**9 928.07**	**10 172.72**	**10 416.37**	**10 522.60**	**10 628.56**	**10 754.38**	**10 720.74**	**10 802.40**	**10 834.69**	**10 884.39**	**10 883.62**	**10 984.27**
RPP[2,3]	3 874.66	3 972.63	4 098.26	4 240.19	4 422.31	4 431.72	4 456.73	4 547.40	4 585.15	4 615.16	4 669.19	4 713.87	4 767.02	4 849.91
Electric	1 803.57	1 798.62	1 851.86	1 874.41	1 884.99	1 926.29	1 948.60	1 969.11	1 949.73	1 969.37	1 980.80	1 990.40	1 983.05	1 986.95
Natural Gas	3 146.66	2 940.88	3 100.46	3 167.82	3 211.24	3 275.58	3 339.01	3 338.35	3 273.80	3 284.58	3 226.90	3 210.50	3 156.80	3 158.11
Biofuels & Emerging Energy[4]	635.05	589.69	636.99	647.23	661.70	638.79	630.80	662.58	662.30	674.85	697.22	712.54	725.44	741.06
Other[5]	241.70	235.73	240.49	243.07	236.14	250.23	253.43	246.93	249.76	258.44	260.59	257.09	251.31	248.24
Residential Sector	**1 391.99**	**1 338.23**	**1 390.77**	**1 447.08**	**1 425.07**	**1 487.19**	**1 493.65**	**1 529.82**	**1 515.19**	**1 513.20**	**1 511.62**	**1 518.39**	**1 519.04**	**1 519.79**
Biomass	104.16	98.53	104.37	109.51	111.91	114.06	116.31	118.71	118.56	118.97	119.67	121.00	121.79	122.46
Electricity	497.64	504.87	517.53	532.78	543.66	562.77	564.40	575.78	572.45	572.20	572.78	576.53	577.45	578.13
Natural Gas	644.82	600.97	640.21	670.18	651.08	679.02	692.50	706.71	696.44	694.79	692.20	693.14	692.02	691.10
RPP[3]	143.76	132.51	127.69	134.26	117.34	120.13	119.23	118.55	115.92	113.86	111.71	109.78	107.56	105.49
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.86	10.65	12.22	14.14	16.87	19.19	21.61
Other	1.61	1.35	0.97	0.97	1.07	1.20	1.21	1.21	1.17	1.15	1.11	1.07	1.04	1.00
Commercial Sector	**1 388.71**	**1 341.18**	**1 425.70**	**1 443.90**	**1 458.96**	**1 496.93**	**1 509.92**	**1 519.43**	**1 496.23**	**1 481.18**	**1 472.21**	**1 463.52**	**1 449.41**	**1 448.55**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Electricity	466.15	457.63	488.33	486.05	492.32	516.02	523.32	528.55	524.23	526.42	527.40	527.63	525.26	525.45
Natural Gas	722.13	688.49	729.56	702.46	679.48	696.89	696.85	691.91	662.31	649.67	634.62	620.18	604.20	596.91
RPP[3]	180.05	194.45	207.57	255.04	286.74	285.50	289.22	292.76	292.09	296.16	299.78	303.89	306.79	311.68
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.69	7.09	8.42	9.91	11.34	12.64	13.99
Other	0.38	0.40	0.32	0.34	0.42	0.52	0.52	0.52	0.51	0.50	0.49	0.48	0.50	0.50
Industrial Sector	**4 453.21**	**4 303.03**	**4 612.43**	**4 704.06**	**4 853.77**	**4 867.95**	**4 927.37**	**4 978.00**	**5 043.59**	**5 153.79**	**5 208.61**	**5 263.96**	**5 282.59**	**5 375.16**
Biomass	530.89	491.15	532.62	537.72	549.78	524.72	514.49	504.98	501.76	510.90	518.69	523.95	527.92	533.86
Coal, Coke & Coke Oven Gas	204.90	197.43	204.12	204.18	195.46	207.17	210.74	204.79	208.45	216.88	219.20	215.92	210.68	208.01
Electricity	836.66	833.05	842.65	852.21	845.56	854.13	857.57	851.52	849.91	867.71	877.63	883.30	877.44	880.51
Natural Gas	1 777.34	1 649.44	1 728.94	1 793.43	1 878.92	1 897.96	1 948.02	1 938.17	1 913.60	1 938.73	1 898.74	1 895.89	1 859.33	1 868.88
LPG & Petroleum Feedstocks	363.19	462.48	506.00	491.03	579.01	560.41	568.09	578.12	578.68	595.26	610.72	622.23	633.25	648.93
RPP[3]	325.22	317.21	296.47	325.60	324.92	328.85	327.74	324.64	322.49	326.46	329.18	331.21	333.15	337.83
Still Gas & Petroleum Coke	380.19	405.91	466.55	462.31	440.92	453.36	459.76	535.37	629.06	657.95	714.67	751.84	801.73	858.40
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	34.82	36.36	35.08	37.59	39.19	41.35	40.95	40.41	39.63	39.91	39.78	39.62	39.10	38.73

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
23.33	23.13	22.90	22.93	22.74	22.76	22.78	22.79	23.23	23.66	23.95	24.31	24.73	25.42	25.88	26.43	27.00
10.43	10.15	9.52	8.92	8.40	7.94	7.94	7.84	7.73	7.62	7.51	7.79	7.70	7.60	7.51	7.42	7.34
15.76	15.78	15.07	14.42	13.82	13.29	13.62	13.58	13.55	13.52	13.49	14.27	14.24	14.20	14.17	14.14	14.11
26.89	26.85	26.77	27.27	27.30	27.58	27.90	28.17	29.19	30.37	31.06	31.88	32.67	33.99	34.88	35.85	36.82
10.72	10.57	9.97	9.41	8.91	8.46	8.58	8.56	8.56	8.54	8.52	9.04	9.02	9.01	8.99	8.98	8.96
15.45	15.47	14.75	14.09	13.49	12.96	13.28	13.24	13.21	13.17	13.14	13.91	13.87	13.84	13.80	13.77	13.73
15.96	15.91	15.86	16.13	16.17	16.34	16.48	16.57	17.12	17.71	18.11	18.57	19.00	19.72	20.24	20.84	21.42
8.81	8.68	8.11	7.58	7.11	6.69	6.85	6.87	6.88	6.88	6.89	7.42	7.43	7.44	7.44	7.45	7.45
11.15	11.20	10.52	9.80	9.33	8.82	9.17	9.15	9.13	9.11	9.09	9.88	9.87	9.85	9.83	9.81	9.79
24.84	24.70	23.90	23.17	22.50	21.91	22.13	22.05	21.98	21.91	21.84	22.53	22.46	22.39	22.33	22.26	22.20
20.34	20.28	19.53	18.84	18.21	17.65	17.93	17.87	17.82	17.77	17.71	18.44	18.39	18.34	18.29	18.24	18.19

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11 020.68	**11 112.18**	**11 180.63**	**11 178.45**	**11 134.70**	**11 107.36**	**11 123.06**	**11 125.02**	**11 110.57**	**11 085.81**	**11 077.57**	**11 081.19**	**11 124.88**	**11 132.48**	**11 110.63**	**11 093.32**	**11 119.08**
4 893.99	4 971.35	5 049.80	5 091.86	5 119.70	5 153.37	5 198.49	5 230.57	5 253.59	5 273.58	5 299.74	5 325.63	5 370.53	5 403.33	5 426.99	5 454.39	5 494.60
1 982.88	1 992.37	2 003.49	1 999.12	1 985.08	1 971.56	1 970.72	1 966.29	1 954.98	1 937.24	1 922.21	1 913.86	1 912.96	1 902.50	1 883.94	1 865.71	1 855.42
3 144.68	3 132.76	3 093.72	3 047.37	2 991.82	2 945.93	2 911.61	2 882.73	2 858.76	2 837.82	2 823.85	2 810.58	2 806.02	2 793.36	2 773.75	2 754.53	2 743.95
754.24	774.06	793.94	803.77	807.28	809.97	819.46	826.44	829.03	827.04	825.89	829.02	836.96	839.48	837.24	835.18	845.81
244.89	241.63	239.69	236.33	230.83	226.53	222.77	218.99	214.20	210.14	205.88	202.11	198.41	193.82	188.70	183.50	179.30
1 514.93	**1 519.02**	**1 527.03**	**1 525.79**	**1 521.78**	**1 514.23**	**1 507.10**	**1 499.30**	**1 488.90**	**1 476.38**	**1 463.50**	**1 448.48**	**1 442.29**	**1 433.26**	**1 422.40**	**1 412.41**	**1 404.58**
122.50	123.23	124.15	124.23	123.92	123.29	122.76	122.22	121.49	120.59	119.61	118.64	118.40	117.97	117.39	116.92	116.73
575.80	576.97	579.35	577.96	575.17	570.90	567.22	563.57	558.96	553.54	547.86	541.90	539.09	535.17	530.54	526.16	522.55
688.79	690.52	694.39	694.43	693.64	691.35	688.77	685.72	681.30	676.07	670.87	664.05	661.29	657.24	652.39	647.96	644.35
103.26	101.72	100.53	98.94	97.30	95.68	94.12	92.67	91.20	89.67	88.19	86.63	85.69	84.72	83.73	82.89	82.33
23.63	25.65	27.71	29.38	30.92	32.23	33.47	34.49	35.27	35.85	36.32	36.65	37.24	37.60	37.81	37.97	38.12
0.96	0.92	0.89	0.86	0.82	0.79	0.75	0.72	0.69	0.66	0.64	0.61	0.58	0.56	0.53	0.51	0.49
1 444.97	**1 453.64**	**1 460.18**	**1 466.67**	**1 473.09**	**1 481.55**	**1 492.60**	**1 503.51**	**1 510.11**	**1 519.12**	**1 530.74**	**1 541.14**	**1 554.80**	**1 564.77**	**1 573.24**	**1 583.37**	**1 596.52**
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.05	0.05
522.84	524.37	525.41	524.30	522.88	521.00	520.65	519.15	516.30	513.14	510.65	508.43	506.93	504.16	500.85	497.84	495.45
590.82	590.08	587.94	589.13	590.51	594.33	598.23	604.52	608.37	615.13	623.17	629.89	638.46	645.46	651.89	659.21	668.21
315.63	322.24	328.70	334.08	339.55	345.15	351.69	356.99	361.86	366.66	372.15	377.53	383.61	388.96	393.99	399.53	405.80
15.15	16.42	17.60	18.63	19.63	20.54	21.48	22.29	22.99	23.59	24.15	24.68	25.19	25.57	25.87	26.15	26.43
0.50	0.50	0.51	0.51	0.51	0.51	0.52	0.52	0.55	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.58
5 417.62	**5 480.86**	**5 511.73**	**5 491.74**	**5 433.30**	**5 390.62**	**5 386.82**	**5 375.11**	**5 360.19**	**5 336.33**	**5 324.66**	**5 334.18**	**5 357.98**	**5 357.68**	**5 334.93**	**5 311.46**	**5 312.17**
538.75	549.32	559.85	562.76	559.77	557.96	563.16	566.61	566.46	562.56	559.74	561.42	566.09	566.05	561.66	557.35	557.23
205.00	201.73	199.41	195.08	189.65	185.31	181.17	177.24	172.41	167.55	163.32	159.39	155.41	150.81	145.91	140.94	136.77
881.43	888.22	895.93	894.07	884.25	876.88	880.06	880.79	876.96	867.80	860.95	860.81	864.22	860.44	849.83	838.99	834.69
1 863.87	1 850.97	1 810.19	1 762.61	1 706.48	1 659.05	1 623.41	1 591.28	1 567.89	1 545.43	1 528.61	1 515.46	1 505.10	1 489.49	1 468.31	1 446.22	1 430.25
659.33	673.79	692.02	702.74	711.03	720.16	733.34	743.18	751.05	756.83	765.30	777.41	791.68	802.81	811.17	819.35	830.29
341.98	350.07	358.66	366.45	371.47	377.89	387.29	394.56	399.37	405.53	411.18	418.18	426.66	433.21	438.40	444.19	452.29
888.84	928.28	956.79	968.14	970.80	973.46	978.06	980.93	985.49	989.25	994.19	999.96	1 006.98	1 012.98	1 017.97	1 022.95	1 029.19
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.43	38.47	38.89	39.89	39.84	39.92	40.33	40.52	40.55	41.37	41.37	41.55	41.85	41.88	41.69	41.47	41.45

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**2 487.74**	**2 465.10**	**2 499.08**	**2 577.08**	**2 678.57**	**2 608.54**	**2 697.63**	**2 727.13**	**2 675.74**	**2 654.24**	**2 642.25**	**2 638.52**	**2 632.58**	**2 640.78**
Aviation Fuel	195.11	172.29	188.17	194.92	210.17	212.99	215.85	218.75	221.69	224.68	227.71	230.77	233.89	237.05
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	3.07	3.09	4.01	4.33	4.61	4.95
Diesel	880.20	866.51	859.88	908.26	966.21	981.88	995.75	1 001.42	987.00	986.35	984.16	982.30	978.68	983.11
Electric	3.17	3.08	3.35	3.39	3.46	3.37	3.31	3.26	3.14	3.05	2.98	2.94	2.89	2.86
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.25	21.18	21.25	30.80	35.04	39.27	44.18
Heavy Fuel Oil	28.41	33.86	34.63	35.20	36.29	36.74	37.20	37.67	38.14	38.61	39.10	39.59	40.08	40.58
LPG	15.92	17.03	12.36	11.88	12.67	12.01	11.33	10.63	9.76	9.07	8.39	7.76	7.19	6.69
Lubricants	11.70	11.91	12.91	13.62	13.23	13.61	14.09	14.60	14.78	15.14	15.55	16.04	16.44	16.89
Motor Gasoline	1341.90	1358.46	1386.04	1408.06	1434.79	1426.23	1418.48	1414.88	1375.53	1351.61	1328.24	1318.47	1308.28	1303.26
Natural Gas	2.37	1.96	1.74	1.75	1.75	1.70	1.63	1.57	1.46	1.39	1.33	1.29	1.25	1.22

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	9 701.64	9 537.54	9 928.07	10 172.72	10 416.37	10 522.60	10 628.56	10 754.38	10 720.74	10 802.40	10 834.69	10 884.39	10 883.61	10 984.27
Total Electric and Steam Energy Demand for Generation	3 694.00	3 666.56	3 617.04	3 690.23	3 775.88	3 837.08	3 881.93	3 950.86	3 992.57	3 941.95	3 931.37	3 943.47	3 898.29	3 884.90
Less Electricity and Steam Secondary Demand	1 838.70	1 835.30	1 887.26	1 912.34	1 924.60	1 968.15	1 990.07	2 000.04	1 989.86	2 009.78	2 021.07	2 030.50	2 022.64	2 026.17
Total Primary Demand	**11 556.94**	**11 368.80**	**11 657.85**	**11 950.61**	**12 267.66**	**12 391.53**	**12 520.43**	**12 705.20**	**12 723.44**	**12 734.57**	**12 744.99**	**12 797.35**	**12 759.26**	**12 843.00**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	3 444.01	3 252.05	3 366.04	3 459.41	3 495.05	3 680.32	3 779.01	3 794.84	3 726.63	3 757.85	3 718.97	3 704.54	3 638.36	3 655.66
RPP	4 005.36	4 129.72	4 226.67	4 309.41	4 610.19	4 615.34	4 647.86	4 737.15	4 787.00	4 796.99	4 856.66	4 897.71	4 927.68	5 004.74
Coal, Coke and Coke Oven Gas	1 394.19	1 366.67	1 348.18	1 415.83	1 289.24	1 111.60	1 104.40	1 106.23	1 111.90	1 056.56	949.58	910.27	853.73	811.43
Hydro	1 280.43	1 189.61	1 251.53	1 205.26	1 216.99	1 217.64	1 233.99	1 250.51	1 289.49	1 330.44	1 353.75	1 354.88	1 364.93	1 367.50
Nuclear	796.63	839.30	826.52	819.53	988.77	1 060.26	1 053.89	1 066.27	1 040.59	992.57	1 028.35	1 063.34	1 084.61	1 077.22
Biofuels & Emerging Energy	636.32	591.45	638.91	651.18	667.42	706.37	701.28	750.21	767.83	800.18	837.69	866.62	895.46	926.46

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.56**	**9.24**	**9.32**	**9.34**	**9.26**	**9.07**	**8.88**	**8.74**	**8.59**	**8.41**	**8.20**	**8.04**	**7.88**	**7.76**
Residential (PJ/Personal Income)	1.76	1.66	1.72	1.78	1.71	1.72	1.69	1.66	1.63	1.60	1.56	1.51	1.48	1.44
Commercial (PJ/GO)	1.26	1.21	1.25	1.24	1.21	1.20	1.17	1.15	1.11	1.08	1.05	1.02	0.99	0.96
Industrial (PJ/GO)	5.24	5.21	5.33	5.40	5.34	5.20	5.08	4.96	4.88	4.75	4.60	4.50	4.40	4.34
Transportation (PJ/GDP)	2.45	2.39	2.35	2.36	2.38	2.32	2.25	2.22	2.14	2.07	2.00	1.95	1.91	1.86

[1] Please note that there is no Canadian end use price for the various fuels. The prices shown here are a demand weighted average of provincial prices included for interest only.
Fuel demand and prices vary widely across provinces. The Canadian weighted average could lead to some unintuitive results.

[2] Refined Petroleum Products (RPP)

[3] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[4] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[5] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2 643.16	**2 658.67**	**2 681.70**	**2 694.25**	**2 706.53**	**2 720.97**	**2 736.54**	**2 747.02**	**2 751.36**	**2 753.98**	**2 758.68**	**2 757.39**	**2 769.78**	**2 776.78**	**2 780.06**	**2 786.08**	**2 805.81**
240.25	243.50	246.79	250.14	253.53	256.96	260.45	263.99	267.58	271.22	274.91	278.65	282.45	286.30	290.21	294.18	298.20
5.30	5.74	6.19	6.59	6.94	7.26	7.56	7.80	8.00	8.17	8.33	8.50	8.69	8.84	8.97	9.10	17.26
984.17	991.04	998.93	1 002.93	1 006.13	1 012.31	1 021.34	1 027.29	1 030.21	1 033.41	1 038.62	1 042.70	1 050.46	1 055.71	1 059.33	1 064.34	1 072.43
2.82	2.80	2.80	2.79	2.79	2.79	2.79	2.78	2.77	2.76	2.75	2.72	2.73	2.73	2.72	2.72	2.73
48.89	53.68	58.41	62.16	66.07	68.68	71.00	73.01	74.77	76.24	77.69	79.08	81.29	83.39	85.48	87.63	89.98
41.09	41.60	42.12	42.65	43.18	43.72	44.27	44.82	45.38	45.95	46.52	47.10	47.69	48.29	48.89	49.50	50.12
6.25	5.89	5.60	5.32	5.07	4.85	4.66	4.50	4.34	4.20	4.08	3.97	3.88	3.80	3.73	3.66	3.61
17.27	17.79	18.33	18.75	19.15	19.53	19.96	20.36	20.71	21.04	21.39	21.76	22.26	22.70	23.09	23.51	23.97
1295.93	1295.44	1301.33	1301.74	1302.49	1303.67	1303.31	1301.28	1296.40	1289.81	1283.20	1271.72	1269.16	1263.85	1256.49	1250.29	1246.36
1.20	1.19	1.19	1.19	1.19	1.20	1.20	1.20	1.20	1.19	1.19	1.18	1.17	1.17	1.16	1.15	1.14

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11 020.68	11 112.18	11 180.63	11 178.45	11 134.70	11 107.36	11 123.06	11 125.02	11 110.57	11 085.81	11 077.57	11 081.19	11 124.86	11 132.48	11 110.63	11 093.32	11 119.08
3 838.62	3 834.18	3 844.28	3 852.98	3 886.57	3 852.52	3 818.01	3 850.24	3 847.80	3 816.39	3 870.94	3 879.41	3 871.98	3 857.18	3 859.87	3 839.88	3 836.83
2 021.80	2 031.34	2 042.87	2 039.51	2 025.42	2 011.99	2 011.56	2 007.32	1 996.07	1 979.15	1 964.12	1 955.96	1 955.36	1 944.94	1 926.19	1 907.75	1 897.45
12 837.50	**12 915.03**	**12 982.04**	**12 991.91**	**12 995.84**	**12 947.89**	**12 929.51**	**12 967.94**	**12 962.30**	**12 923.05**	**12 984.38**	**13 004.64**	**13 041.48**	**13 044.72**	**13 044.30**	**13 025.45**	**13 058.45**
3 654.25	3 678.34	3 644.79	3 605.95	3 530.35	3 513.37	3 479.17	3 446.88	3 418.48	3 395.26	3 373.45	3 355.29	3 347.46	3 329.50	3 303.23	3 277.57	3 259.44
5 053.46	5 113.28	5 195.82	5 238.68	5 262.71	5 294.13	5 330.81	5 361.85	5 383.30	5 403.99	5 395.73	5 420.64	5 467.13	5 498.80	5 519.55	5 546.66	5 586.80
762.62	671.03	622.19	587.23	565.85	509.61	478.40	461.18	459.18	420.68	397.74	378.96	357.41	339.25	334.49	313.83	294.82
1 367.89	1 416.00	1 418.27	1 424.15	1 451.24	1 451.58	1 451.28	1 488.20	1 487.86	1 487.46	1 487.09	1 486.59	1 486.22	1 486.23	1 485.71	1 485.07	1 484.57
1 044.92	1 047.25	1 077.36	1 088.02	1 120.01	1 096.50	1 083.55	1 081.97	1 068.87	1 058.90	1 160.42	1 175.54	1 173.70	1 164.26	1 162.23	1 150.45	1 155.15
954.37	989.14	1023.61	1047.90	1065.70	1082.71	1106.30	1127.87	1144.61	1156.76	1169.94	1187.62	1 209.6	1 226.7	1 239.1	1 251.9	1 277.7

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.62	**7.47**	**7.32**	**7.17**	**7.00**	**6.85**	**6.70**	**6.56**	**6.44**	**6.32**	**6.20**	**6.08**	**5.97**	**5.86**	**5.75**	**5.64**	**5.55**
1.40	1.36	1.33	1.30	1.26	1.23	1.20	1.18	1.15	1.12	1.09	1.07	1.04	1.01	0.99	0.96	0.93
0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76
4.25	4.16	4.04	3.93	3.80	3.69	3.57	3.47	3.39	3.32	3.25	3.17	3.10	3.04	2.98	2.92	2.87
1.83	1.79	1.76	1.73	1.70	1.68	1.65	1.62	1.59	1.57	1.55	1.51	1.49	1.46	1.44	1.42	1.40

Table A2.16: Demand, Triple E, Alberta

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	27.09	27.26	29.50	29.94	26.14	26.79	27.83	25.97	27.91	29.40	32.38	33.81	35.30	33.39
Natural Gas	4.79	6.75	6.72	5.40	5.53	6.70	7.97	8.90	11.83	11.73	12.41	11.46	10.57	9.75
Light Fuel Oil	11.46	11.74	10.96	12.56	12.53	16.27	17.51	16.80	16.63	16.49	17.56	16.47	15.45	14.51
Commercial														
Electricity	22.63	26.68	29.76	38.27	30.37	30.07	32.07	29.06	32.61	35.44	41.17	44.10	47.20	44.14
Natural Gas	3.91	5.90	5.45	4.48	4.59	5.83	7.16	8.22	11.06	10.97	11.66	10.71	9.83	9.02
Light Fuel Oil	11.46	11.74	10.96	12.56	12.71	16.44	17.67	16.95	16.78	16.64	17.70	16.62	15.59	14.65
Industrial														
Electricity	14.55	18.68	17.55	17.05	13.93	13.99	14.69	13.45	14.78	15.83	17.96	19.03	20.16	18.92
Natural Gas	1.80	2.59	5.08	4.01	4.06	5.34	6.70	7.78	10.62	10.54	11.23	10.29	9.41	8.61
Heavy Fuel Oil	7.60	7.79	7.27	8.35	8.40	12.43	13.96	13.39	13.25	13.14	14.24	13.18	12.20	11.29
Transportation														
Gasoline	24.12	24.06	24.21	24.21	24.21	27.14	27.57	26.45	26.19	25.97	26.86	25.68	24.56	23.52
Diesel	19.03	20.25	18.14	18.85	18.85	22.15	22.95	22.01	21.80	21.62	22.59	21.45	20.38	19.38

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**2 325.14**	**2 365.74**	**2 416.61**	**2 542.22**	**2 682.60**	**2 714.72**	**2 814.54**	**2 922.24**	**2 997.92**	**3 064.80**	**3 093.47**	**3 143.68**	**3 165.78**	**3 240.36**
RPP[1,2]	780.09	888.50	888.20	928.06	1 026.26	988.91	1 019.67	1 120.47	1 214.50	1 249.68	1 311.71	1 353.61	1 406.58	1 469.44
Electric	199.50	203.09	208.25	195.85	202.16	207.42	210.48	210.17	207.97	209.84	208.53	207.76	204.57	204.54
Natural Gas	1 277.77	1 204.29	1 245.23	1 338.86	1 378.97	1 446.28	1 513.27	1 519.55	1 502.97	1 531.00	1 494.96	1 501.77	1 472.73	1 482.78
Biofuels & Emerging Energy[3]	56.50	57.40	64.15	68.61	66.05	63.29	62.38	63.56	64.19	65.95	69.99	72.37	73.96	75.85
Other[4]	11.28	12.45	10.77	10.84	9.17	8.83	8.74	8.50	8.29	8.33	8.28	8.17	7.94	7.74
Residential Sector	**188.90**	**170.32**	**188.40**	**190.26**	**189.45**	**198.66**	**205.64**	**212.95**	**209.60**	**209.21**	**207.60**	**207.71**	**206.95**	**206.33**
Biomass	0.46	0.43	0.48	0.46	0.45	0.47	0.48	0.50	0.50	0.50	0.50	0.51	0.52	0.52
Electricity	25.56	27.80	28.76	27.14	27.54	28.88	30.21	31.57	31.39	31.68	31.79	32.30	32.55	32.86
Natural Gas	160.35	139.77	157.00	160.78	159.81	167.66	173.33	177.78	174.46	173.54	171.64	170.90	169.65	168.45
RPP	1.88	1.77	1.76	1.76	1.58	1.57	1.54	1.50	1.43	1.37	1.31	1.24	1.17	1.11
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	1.76	2.04	2.29	2.70	3.01	3.34
Other	0.65	0.55	0.40	0.11	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.05	0.05
Commercial Sector	**242.86**	**251.32**	**269.38**	**277.43**	**305.77**	**314.47**	**320.92**	**325.27**	**318.53**	**318.70**	**318.02**	**316.75**	**313.62**	**314.00**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	51.82	52.67	53.31	46.64	52.58	53.43	54.67	55.66	55.23	55.60	55.67	55.53	54.92	54.76
Natural Gas	143.63	148.20	170.55	171.77	171.24	175.34	176.83	176.27	168.40	165.03	161.03	156.58	151.69	149.13
RPP	47.41	50.45	45.52	59.02	81.87	85.61	89.32	92.60	94.02	97.03	100.12	103.28	105.53	108.48
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.78	0.94	1.10	1.25	1.38	1.52
Other	0.00	0.00	0.00	0.00	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11
Industrial Sector	**1 498.41**	**1 527.81**	**1 559.47**	**1 660.61**	**1 752.09**	**1 766.24**	**1 837.78**	**1 921.31**	**2 015.14**	**2 083.04**	**2 114.84**	**2 166.90**	**2 195.43**	**2 269.70**
Biomass	56.04	56.97	63.67	68.15	65.60	62.83	61.90	60.90	61.16	62.47	63.52	64.16	64.33	64.74
Coal, Coke & Coke Oven Gas	0.59	0.73	0.64	0.93	0.59	0.71	0.73	0.72	0.75	0.79	0.83	0.84	0.85	0.87
Electricity	121.86	122.36	125.77	121.63	121.51	124.59	125.07	122.40	120.83	122.04	120.57	119.44	116.62	116.44
Natural Gas	973.69	916.23	917.60	1 006.22	1 047.84	1 103.19	1 163.04	1 165.44	1 160.05	1 192.38	1 162.25	1 174.25	1 151.37	1 165.18
LPG & Petroleum Feedstocks	141.59	224.51	224.57	238.37	295.26	260.14	263.02	269.67	271.20	277.25	283.79	287.78	292.58	299.82
RPP	28.82	30.36	24.99	26.39	28.01	28.35	30.77	33.07	34.09	35.22	36.28	37.22	37.88	38.72
Still Gas & Petroleum Coke	165.77	165.48	192.50	189.13	184.87	178.48	185.43	261.51	359.69	385.52	440.31	476.05	524.88	577.21
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	10.04	11.17	9.73	9.80	8.42	7.95	7.83	7.60	7.38	7.37	7.28	7.16	6.93	6.72

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
36.08	35.37	34.92	35.98	35.72	35.66	35.82	36.09	37.70	40.62	40.89	41.32	41.74	43.44	43.93	44.36	44.78
9.00	8.85	8.24	7.68	7.17	6.71	6.82	6.80	6.79	6.77	6.75	7.26	7.25	7.23	7.21	7.19	7.18
13.65	13.68	12.98	12.33	11.75	11.22	11.55	11.52	11.49	11.46	11.43	12.21	12.18	12.15	12.12	12.09	12.06
49.43	48.51	48.04	50.27	50.10	50.30	50.88	51.63	54.77	60.24	60.92	61.89	62.81	66.03	67.03	67.92	68.80
8.28	8.14	7.54	6.98	6.48	6.02	6.13	6.12	6.10	6.09	6.07	6.58	6.57	6.55	6.54	6.53	6.51
13.79	13.82	13.12	12.47	11.88	11.36	11.69	11.65	11.62	11.59	11.56	12.34	12.31	12.28	12.25	12.22	12.19
20.90	20.49	20.26	21.08	20.98	21.02	21.20	21.46	22.64	24.73	24.96	25.32	25.66	26.88	27.25	27.58	27.90
7.87	7.73	7.13	6.58	6.08	5.62	5.74	5.72	5.71	5.70	5.68	6.20	6.18	6.17	6.16	6.14	6.13
10.47	10.53	9.85	9.24	8.67	8.16	8.51	8.49	8.47	8.45	8.43	9.22	9.20	9.18	9.16	9.14	9.12
22.55	22.44	21.66	20.95	20.30	19.72	19.96	19.89	19.83	19.77	19.71	20.40	20.34	20.28	20.22	20.16	20.10
18.47	18.42	17.68	17.00	16.38	15.82	16.10	16.05	16.01	15.96	15.91	16.64	16.60	16.55	16.51	16.46	16.42

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 267.07	**3 297.43**	**3 283.88**	**3 243.65**	**3 183.47**	**3 129.82**	**3 084.91**	**3 046.60**	**3 018.45**	**2 992.84**	**2 974.72**	**2 957.77**	**2 947.69**	**2 932.83**	**2 913.69**	**2 896.07**	**2 887.90**
1 501.63	1 546.38	1 578.08	1 589.13	1 589.98	1 591.83	1 595.75	1 597.80	1 601.46	1 604.48	1 610.60	1 617.14	1 627.18	1 635.54	1 642.81	1 651.36	1 662.64
202.01	200.73	198.59	195.19	191.01	187.26	184.30	181.55	178.98	176.04	173.81	171.86	170.49	168.69	166.59	164.64	163.26
1 478.34	1 463.24	1 418.01	1 369.40	1 312.87	1 261.28	1 214.47	1 176.00	1 146.57	1 121.55	1 099.93	1 078.25	1 058.61	1 037.10	1 013.45	989.82	968.97
77.55	79.69	81.88	82.74	82.59	82.60	83.64	84.62	84.97	84.48	84.23	84.48	85.47	85.69	85.17	84.74	87.62
7.53	7.38	7.32	7.19	7.01	6.85	6.76	6.63	6.47	6.29	6.15	6.04	5.95	5.82	5.66	5.51	5.39
204.70	**204.17**	**204.65**	**203.19**	**201.78**	**200.23**	**198.35**	**196.93**	**195.14**	**192.10**	**189.98**	**187.25**	**185.87**	**184.14**	**182.32**	**180.64**	**179.42**
0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.50	0.50	0.49	0.49	0.48	0.48	0.47	0.47	0.46	0.46
32.91	33.14	33.54	33.53	33.54	33.52	33.47	33.51	33.46	33.15	33.04	32.86	32.98	33.02	33.03	33.09	33.25
166.59	165.66	165.52	163.98	162.45	160.85	158.97	157.45	155.68	153.00	151.00	148.49	146.97	145.22	143.40	141.69	140.31
1.04	0.99	0.94	0.89	0.84	0.80	0.75	0.71	0.67	0.63	0.60	0.57	0.53	0.50	0.47	0.45	0.42
3.59	3.83	4.08	4.23	4.38	4.51	4.63	4.73	4.81	4.80	4.83	4.83	4.89	4.91	4.92	4.94	4.96
0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
313.31	**315.29**	**315.55**	**316.53**	**316.84**	**318.04**	**319.38**	**321.46**	**321.81**	**324.40**	**327.38**	**330.19**	**333.43**	**335.88**	**338.12**	**340.78**	**344.20**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.20	54.13	53.97	53.61	53.20	52.86	52.66	52.37	51.96	51.57	51.25	50.98	50.76	50.43	50.08	49.81	49.64
146.57	145.16	142.55	141.36	139.71	138.91	137.68	137.73	136.34	137.04	137.93	138.44	139.24	139.69	140.09	140.67	141.65
110.80	114.13	117.06	119.50	121.78	124.04	126.72	128.97	131.06	133.28	135.63	138.16	140.75	143.05	145.20	147.52	150.08
1.63	1.75	1.86	1.95	2.04	2.12	2.21	2.28	2.34	2.40	2.46	2.51	2.56	2.60	2.64	2.67	2.71
0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
2 300.78	**2 329.60**	**2 314.70**	**2 276.37**	**2 219.52**	**2 167.25**	**2 124.31**	**2 086.72**	**2 061.65**	**2 038.62**	**2 020.31**	**2 005.08**	**1 992.88**	**1 977.73**	**1 958.95**	**1 940.48**	**1 926.63**
65.23	66.20	67.21	67.24	66.30	65.57	65.97	66.35	66.22	65.47	64.88	64.88	65.48	65.42	64.68	64.05	64.21
0.88	0.89	0.90	0.91	0.90	0.90	0.91	0.90	0.89	0.87	0.86	0.86	0.85	0.83	0.82	0.80	0.78
114.44	112.99	110.63	107.61	103.83	100.43	97.72	95.24	93.13	90.90	89.10	87.61	86.34	84.84	83.08	81.34	79.98
1 165.15	1 152.41	1 109.92	1 064.03	1 010.70	961.51	917.81	880.81	854.55	831.50	811.00	791.32	772.39	752.18	729.96	707.47	687.01
304.03	309.81	315.87	318.50	320.17	322.28	325.58	327.91	329.67	331.01	333.50	337.17	342.00	346.20	349.80	353.69	358.62
39.26	40.00	40.47	40.68	40.72	40.78	40.95	41.02	41.03	41.08	41.32	41.60	41.98	42.29	42.55	42.91	43.40
605.30	640.97	663.42	671.27	670.94	669.96	669.67	668.91	670.71	672.50	674.50	676.59	678.87	681.11	683.34	685.64	688.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.50	6.34	6.27	6.13	5.96	5.81	5.71	5.58	5.44	5.28	5.15	5.05	4.97	4.86	4.72	4.59	4.48

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**394.97**	**416.29**	**399.35**	**413.92**	**435.29**	**435.36**	**450.20**	**462.72**	**454.65**	**453.84**	**453.01**	**452.31**	**449.78**	**450.33**
Aviation Fuel	30.03	31.54	29.17	28.73	29.98	30.43	30.88	31.35	31.82	32.29	32.78	33.27	33.77	34.27
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.59	0.73	0.88
Diesel	185.20	193.46	179.31	198.60	214.00	213.17	222.33	229.65	226.11	226.70	226.05	224.69	222.56	222.65
Electric	0.26	0.26	0.41	0.43	0.52	0.52	0.53	0.54	0.52	0.51	0.50	0.49	0.49	0.48
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	3.15	4.00	4.85
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	4.41	4.39	3.47	3.08	2.98	2.75	2.58	2.39	2.15	1.96	1.76	1.57	1.39	1.24
Lubricants	1.57	1.39	1.29	1.40	1.47	1.50	1.58	1.66	1.68	1.73	1.78	1.83	1.87	1.92
Motor Gasoline	173.40	185.15	185.61	181.58	186.24	186.91	192.21	197.06	192.30	190.60	187.53	186.68	184.94	184.02
Natural Gas	0.10	0.10	0.09	0.09	0.09	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.03	0.03

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	2 325.14	2 365.74	2 416.60	2 542.22	2 682.60	2 714.72	2 814.54	2 922.24	2 997.92	3 064.80	3 093.47	3 143.68	3 165.78	3 240.36
Total Electric and Steam Energy Demand for Generation	602.85	619.06	591.06	589.94	584.25	638.09	649.36	641.00	618.74	626.92	633.41	625.30	603.39	592.61
Less Electricity and Steam Secondary Demand	209.53	214.26	217.98	205.65	210.66	215.46	218.41	217.87	215.45	217.32	215.92	215.03	211.60	211.37
Total Primary Demand	**2 718.45**	**2 770.54**	**2 789.68**	**2 926.51**	**3 056.20**	**3 137.35**	**3 245.49**	**3 345.37**	**3 401.22**	**3 474.40**	**3 510.95**	**3 553.95**	**3 557.57**	**3 621.61**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1 395.05	1 307.32	1 329.88	1 423.79	1 461.41	1 608.31	1 687.68	1 701.51	1 687.98	1 722.36	1 684.27	1 690.15	1 660.89	1 674.17
RPP	780.49	888.87	888.54	928.58	1 026.82	989.44	1 020.20	1 120.99	1 215.03	1 250.20	1 312.23	1 358.00	1 414.25	1 477.12
Coal, Coke and Coke Oven Gas	479.45	510.83	499.75	496.26	490.70	457.10	456.03	438.66	410.37	407.40	415.44	405.40	379.08	363.66
Hydro	6.32	5.16	6.19	6.28	6.75	6.82	6.82	6.82	8.40	8.40	8.40	8.40	8.40	8.40
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	57.14	58.37	65.33	71.61	70.51	75.68	74.77	77.38	79.44	86.04	90.61	92.00	94.94	98.26

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**13.87**	**13.65**	**14.31**	**15.32**	**15.35**	**15.61**	**15.29**	**15.35**	**15.70**	**15.65**	**15.29**	**15.31**	**15.27**	**15.47**
Residential (PJ/Personal Income)	2.32	1.94	2.16	2.19	2.07	2.11	2.06	2.02	1.97	1.92	1.87	1.80	1.75	1.70
Commercial (PJ/GO)	2.06	2.05	2.13	2.15	2.31	2.27	2.22	2.17	2.10	2.04	1.98	1.92	1.86	1.82
Industrial (PJ/GO)	18.68	18.43	18.54	19.01	19.34	19.03	18.76	18.70	18.86	18.61	18.16	18.01	17.83	17.82
Transportation (PJ/GDP)	3.17	3.24	3.06	3.10	3.14	3.05	3.00	2.96	2.86	2.76	2.66	2.59	2.53	2.48

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
448.28	**448.36**	**448.98**	**447.55**	**445.35**	**444.30**	**442.86**	**441.48**	**439.65**	**437.72**	**437.06**	**435.25**	**435.51**	**435.07**	**434.31**	**434.17**	**437.64**
34.79	35.31	35.84	36.38	36.92	37.48	38.04	38.61	39.19	39.78	40.37	40.98	41.59	42.22	42.85	43.49	44.15
1.02	1.15	1.27	1.38	1.47	1.57	1.66	1.74	1.81	1.87	1.93	1.99	2.06	2.11	2.15	2.20	4.73
220.99	220.63	219.80	218.41	216.34	215.09	213.79	212.41	211.10	210.32	210.07	209.45	209.53	209.28	208.87	208.86	209.48
0.47	0.46	0.46	0.46	0.45	0.45	0.44	0.44	0.43	0.42	0.42	0.41	0.41	0.40	0.40	0.40	0.40
5.57	6.24	6.92	7.42	7.88	8.31	8.68	9.01	9.29	9.45	9.65	9.78	10.00	10.17	10.30	10.42	10.55
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.10	0.98	0.87	0.78	0.69	0.61	0.54	0.48	0.42	0.37	0.33	0.29	0.26	0.22	0.20	0.17	0.15
1.95	2.00	2.05	2.08	2.10	2.13	2.16	2.19	2.22	2.24	2.27	2.29	2.34	2.37	2.41	2.44	2.49
182.37	181.57	181.76	180.65	179.48	178.66	177.54	176.60	175.38	173.27	172.01	170.04	169.32	168.29	167.13	166.18	165.71
0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 267.07	3 297.43	3 283.88	3 243.65	3 183.47	3 129.82	3 084.90	3 046.60	3 018.45	2 992.84	2 974.72	2 957.77	2 947.69	2 932.83	2 913.69	2 896.07	2 887.90
577.18	563.70	555.43	542.64	534.48	516.73	497.13	488.01	494.69	475.42	460.78	448.86	437.46	426.09	429.11	415.55	405.61
208.62	207.17	204.97	201.44	197.09	193.18	190.11	187.24	184.54	181.43	179.07	177.02	175.57	173.86	171.43	169.34	167.86
3 635.63	**3 653.95**	**3 634.34**	**3 584.85**	**3 520.86**	**3 453.37**	**3 381.92**	**3 347.37**	**3 328.60**	**3 286.83**	**3 256.43**	**3 229.62**	**3 209.58**	**3 185.26**	**3 171.37**	**3 142.28**	**3 125.65**
1 669.66	1 657.81	1 612.56	1 563.90	1 507.31	1 455.62	1 408.56	1 370.00	1 340.48	1 315.32	1 293.66	1 272.04	1 252.33	1 230.77	1 207.13	1 183.47	1 162.58
1 512.59	1 557.34	1 589.03	1 600.09	1 600.93	1 602.78	1 606.70	1 608.76	1 612.42	1 618.72	1 624.84	1 631.38	1 644.70	1 653.06	1 660.34	1 668.88	1 680.17
343.58	325.43	315.88	301.91	292.72	274.08	253.84	243.94	249.81	226.51	211.03	197.76	182.58	170.43	172.56	158.13	147.33
8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.39	104.96	108.47	110.54	111.49	112.48	114.40	116.26	117.48	117.87	118.50	120.03	121.57	122.59	122.94	123.39	127.16

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
15.47	**15.37**	**15.03**	**14.65**	**14.21**	**13.78**	**13.33**	**12.97**	**12.72**	**12.50**	**12.25**	**11.99**	**11.72**	**11.49**	**11.28**	**11.07**	**10.85**
1.65	1.61	1.57	1.53	1.50	1.47	1.43	1.40	1.37	1.34	1.31	1.28	1.25	1.22	1.19	1.16	1.13
1.78	1.74	1.70	1.68	1.65	1.63	1.60	1.58	1.56	1.55	1.53	1.52	1.51	1.49	1.48	1.47	1.46
17.69	17.45	17.08	16.65	16.18	15.73	15.28	14.91	14.60	14.28	13.98	13.67	13.39	13.12	12.86	12.60	12.35
2.43	2.37	2.34	2.30	2.26	2.23	2.19	2.16	2.13	2.09	2.05	2.01	1.98	1.95	1.92	1.89	1.87

Table A2.17: Demand, Triple E, British Columbia

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	18.62	17.79	17.86	16.90	16.34	15.13	18.51	18.14	18.24	19.04	19.30	19.66	19.71	19.79
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	11.73	14.53	14.41	15.07	14.09	13.17	12.33
Light Fuel Oil	12.36	12.66	11.83	13.57	13.52	17.18	18.36	17.61	17.44	17.29	18.35	17.25	16.23	15.28
Commercial														
Electricity	16.92	16.36	16.32	15.32	13.57	12.61	15.65	15.34	15.42	16.13	16.37	16.68	16.73	16.81
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	10.52	13.34	13.23	13.91	12.94	12.03	11.20
Light Fuel Oil	12.36	12.66	11.83	13.57	13.73	17.39	18.55	17.79	17.62	17.47	18.52	17.43	16.40	15.45
Industrial														
Electricity	11.38	10.86	10.93	10.27	9.58	8.93	11.10	10.82	10.88	11.38	11.55	11.77	11.81	11.87
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	9.75	12.58	12.47	13.15	12.19	11.29	10.47
Heavy Fuel Oil	8.20	8.42	7.85	9.00	9.06	13.03	14.52	13.92	13.79	13.67	14.76	13.70	12.71	11.80
Transportation														
Gasoline	28.07	28.12	28.13	28.13	28.13	30.79	30.96	29.69	29.40	29.15	30.01	28.81	27.65	26.57
Diesel	21.30	22.94	20.98	21.67	21.67	24.77	25.38	24.35	24.11	23.91	24.86	23.70	22.60	21.58

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**1 203.38**	**1 176.37**	**1 172.18**	**1 162.28**	**1 185.25**	**1 175.90**	**1 184.99**	**1 181.58**	**1 161.22**	**1 159.00**	**1 162.12**	**1 157.06**	**1 150.68**	**1 148.96**
RFP[1,2]	394.60	389.83	393.81	394.22	417.14	429.59	439.04	442.60	434.38	430.88	429.45	427.74	426.67	427.12
Electric	216.36	208.03	208.41	213.84	217.60	219.62	222.21	222.17	220.57	222.38	225.09	225.40	225.18	225.32
Natural Gas	353.56	359.75	353.16	328.98	327.70	305.04	303.26	298.13	287.60	282.63	277.69	270.61	262.98	257.26
Biofuels & Emerging Energy [3]	220.71	196.66	196.99	203.62	199.42	192.48	188.95	187.18	187.06	190.55	196.05	199.34	202.03	205.26
Other[4]	18.14	22.10	19.81	21.62	23.38	29.17	31.53	31.51	31.60	32.56	33.84	33.97	33.81	34.00
Residential Sector	**150.13**	**147.90**	**148.27**	**143.02**	**144.37**	**152.00**	**156.88**	**160.43**	**158.66**	**157.90**	**158.42**	**158.19**	**158.48**	**158.54**
Biomass	6.67	6.75	6.89	6.53	6.41	6.81	7.04	7.20	7.16	7.17	7.25	7.32	7.39	7.45
Electricity	58.31	58.23	60.04	59.16	63.12	65.42	67.53	68.81	68.32	68.16	68.64	68.74	68.97	69.02
Natural Gas	78.58	76.08	79.28	75.22	72.59	77.44	79.99	81.17	79.81	79.08	78.86	78.26	78.06	77.83
RFP[1]	6.57	6.84	2.06	2.11	2.25	2.33	2.31	2.27	2.19	2.13	2.08	2.00	1.93	1.85
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	1.19	1.35	1.58	1.86	2.13	2.38
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**150.43**	**158.25**	**160.94**	**139.09**	**138.63**	**152.18**	**153.35**	**154.31**	**150.47**	**149.49**	**149.18**	**147.03**	**145.13**	**144.51**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	50.64	51.95	51.91	50.94	48.73	54.61	55.39	55.97	55.71	56.13	57.10	57.02	57.14	57.32
Natural Gas	91.40	96.16	94.98	76.06	76.11	82.64	82.88	82.42	78.71	76.93	75.13	72.87	70.52	69.33
RFP[1]	8.34	9.86	14.06	12.09	13.79	14.94	15.09	15.21	15.17	15.36	15.65	15.67	15.83	16.04
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.89	1.07	1.30	1.47	1.64	1.82
Other	0.06	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**562.49**	**542.38**	**526.18**	**539.90**	**539.69**	**496.56**	**490.52**	**478.43**	**471.04**	**474.37**	**476.76**	**475.01**	**470.63**	**468.72**
Biomass	214.04	189.91	190.10	197.09	193.01	185.67	181.90	178.28	177.81	180.96	183.56	185.36	186.64	188.52
Coal, Coke & Coke Oven Gas	15.22	19.14	19.61	21.32	21.35	27.25	29.66	29.71	29.86	30.86	32.23	32.43	32.37	32.66
Electricity	106.99	97.43	95.94	103.20	105.26	99.09	98.78	96.89	96.06	97.61	98.88	99.19	98.62	98.54
Natural Gas	183.01	187.23	178.74	177.54	178.85	144.81	140.26	134.42	128.98	126.52	123.60	119.39	114.34	110.03
LPG & Petroleum Feedstocks	3.82	5.13	6.19	4.37	4.36	3.74	3.79	3.33	3.20	3.06	2.89	2.72	2.55	2.42
RFP[1]	20.34	24.48	19.39	20.79	19.83	20.12	20.61	20.62	20.29	20.29	20.37	20.57	20.67	20.90
Still Gas & Petroleum Coke	16.21	16.38	16.01	15.29	15.00	13.97	13.65	13.39	13.09	13.38	13.61	13.81	13.99	14.32
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	2.87	2.68	0.20	0.30	2.03	1.92	1.87	1.80	1.74	1.70	1.62	1.53	1.44	1.34

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
19.69	19.46	19.53	19.44	19.52	19.89	19.68	19.67	20.29	20.97	21.30	21.80	22.33	22.92	23.42	24.18	24.80
11.55	11.38	10.75	10.17	9.64	9.16	9.26	9.23	9.21	9.18	9.16	9.66	9.63	9.61	9.58	9.56	9.53
14.41	14.43	13.72	13.07	12.48	11.95	12.28	12.24	12.21	12.18	12.14	12.92	12.89	12.86	12.82	12.79	12.76
16.73	16.53	16.60	16.53	16.60	16.93	16.75	16.92	17.29	17.90	18.20	18.65	19.12	19.64	20.08	20.75	21.31
10.43	10.27	9.65	9.08	8.56	8.09	8.19	8.17	8.14	8.12	8.10	8.61	8.58	8.56	8.54	8.52	8.50
14.57	14.60	13.89	13.24	12.64	12.11	12.44	12.40	12.37	12.34	12.30	13.08	13.05	13.01	12.98	12.95	12.91
11.81	11.68	11.72	11.67	11.73	11.96	11.84	11.95	12.21	12.64	12.84	13.15	13.48	13.84	14.15	14.62	15.01
9.71	9.56	8.94	8.37	7.86	7.39	7.50	7.48	7.46	7.44	7.42	7.93	7.91	7.89	7.87	7.85	7.83
10.97	11.03	10.35	9.72	9.16	8.64	8.98	8.96	8.94	8.92	8.90	9.69	9.67	9.65	9.63	9.60	9.58
25.58	25.43	24.63	23.90	23.23	22.63	22.85	22.77	22.70	22.63	22.56	23.24	23.17	23.10	23.03	22.96	22.90
20.64	20.57	19.82	19.12	18.48	17.91	18.19	18.13	18.07	18.02	17.96	18.69	18.64	18.58	18.53	18.48	18.43

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 145.83	**1 152.39**	**1 161.62**	**1 163.03**	**1 161.06**	**1 161.68**	**1 168.17**	**1 172.85**	**1 176.62**	**1 175.68**	**1 176.30**	**1 177.97**	**1 185.03**	**1 187.95**	**1 186.78**	**1 186.40**	**1 192.97**
426.66	429.12	433.10	434.99	436.94	439.70	443.60	446.47	448.25	449.53	451.46	452.89	456.21	458.78	460.73	463.18	466.92
225.01	226.64	228.46	228.40	227.29	226.14	226.46	226.40	225.69	224.01	222.53	221.69	221.69	220.69	218.79	216.87	215.81
252.19	249.42	247.73	245.78	243.76	242.80	242.79	242.82	245.20	245.82	246.88	247.49	249.33	250.66	251.10	251.78	253.51
207.91	212.67	217.54	219.22	218.61	218.49	220.98	223.02	223.65	222.64	221.98	222.78	224.91	225.27	223.94	222.65	225.00
34.05	34.54	34.79	34.65	34.45	34.55	34.34	34.14	33.83	33.68	33.50	33.13	32.88	32.55	32.21	31.92	31.74
158.20	**158.78**	**159.78**	**159.90**	**159.75**	**159.31**	**159.00**	**158.76**	**158.46**	**157.70**	**156.84**	**155.78**	**155.72**	**155.49**	**155.04**	**154.68**	**154.70**
7.48	7.54	7.62	7.65	7.65	7.64	7.63	7.63	7.62	7.59	7.56	7.53	7.54	7.55	7.55	7.55	7.57
68.84	69.07	69.43	69.37	69.14	68.74	68.44	68.20	67.94	67.46	66.95	66.41	66.27	66.04	65.72	65.42	65.25
77.50	77.61	78.00	78.02	77.96	77.85	77.74	77.66	77.56	77.26	76.91	76.40	76.43	76.39	76.25	76.19	76.34
1.78	1.71	1.66	1.60	1.53	1.47	1.42	1.36	1.31	1.26	1.22	1.17	1.13	1.09	1.05	1.01	0.98
2.61	2.84	3.08	3.28	3.46	3.62	3.77	3.91	4.04	4.12	4.20	4.26	4.35	4.42	4.47	4.51	4.56
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.89	**144.55**	**144.90**	**145.44**	**146.05**	**146.73**	**147.64**	**148.71**	**151.29**	**152.40**	**153.66**	**154.75**	**156.13**	**157.17**	**157.83**	**158.60**	**159.62**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.29	57.78	58.19	58.31	58.43	58.35	58.52	58.50	58.40	58.15	57.93	57.76	57.63	57.37	57.02	56.66	56.34
68.39	68.06	67.49	67.48	67.52	67.85	68.10	68.80	71.08	72.11	73.23	74.15	75.29	76.27	76.99	77.81	78.80
16.23	16.55	16.89	17.16	17.48	17.79	18.13	18.42	18.69	18.94	19.21	19.46	19.76	20.02	20.27	20.54	20.85
1.98	2.16	2.33	2.48	2.62	2.75	2.88	3.00	3.12	3.21	3.29	3.37	3.45	3.50	3.56	3.59	3.62
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
466.63	**469.66**	**473.98**	**472.97**	**468.71**	**466.69**	**469.54**	**471.02**	**470.91**	**468.56**	**467.41**	**468.30**	**471.48**	**471.63**	**468.79**	**466.11**	**466.81**
189.97	193.49	197.10	197.76	196.22	195.29	196.99	198.32	198.30	196.79	195.70	196.13	197.74	197.68	196.01	194.41	194.48
32.81	33.39	33.73	33.67	33.56	33.74	33.61	33.49	33.24	33.15	33.03	32.71	32.50	32.22	31.92	31.66	31.51
98.45	99.36	100.41	100.29	99.30	98.63	99.07	99.27	98.92	97.98	97.22	97.10	97.37	96.86	95.62	94.36	93.78
106.25	103.70	102.20	100.24	98.25	97.08	96.93	96.34	96.55	96.44	96.73	96.93	97.60	97.99	97.85	97.78	98.37
2.29	2.18	2.10	2.02	1.95	1.88	1.83	1.78	1.74	1.71	1.69	1.67	1.66	1.65	1.64	1.63	1.63
21.08	21.54	22.04	22.38	22.69	23.13	23.89	24.39	24.59	24.84	25.26	25.76	26.35	26.82	27.24	27.72	28.34
14.54	14.85	15.33	15.63	15.86	16.13	16.50	16.78	16.98	17.11	17.30	17.58	17.89	18.09	18.21	18.30	18.48
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.24	1.15	1.06	0.98	0.89	0.81	0.73	0.66	0.59	0.53	0.47	0.42	0.37	0.33	0.29	0.26	0.23

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**340.33**	**327.84**	**336.78**	**340.28**	**362.57**	**375.16**	**384.22**	**388.40**	**381.04**	**377.24**	**377.76**	**376.83**	**376.45**	**377.20**
Aviation Fuel	47.46	36.62	43.38	38.80	43.41	44.06	44.73	45.40	46.08	46.77	47.47	48.18	48.91	49.64
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.22	0.27	0.33
Diesel	116.78	116.57	118.83	124.03	131.94	140.07	144.69	146.47	143.11	141.74	141.24	140.82	140.15	140.19
Electric	0.43	0.42	0.52	0.54	0.50	0.50	0.50	0.50	0.49	0.47	0.47	0.46	0.45	0.44
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	3.11	3.96	4.77
Heavy Fuel Oil	6.42	8.39	8.48	8.95	9.13	9.25	9.36	9.48	9.60	9.72	9.84	9.96	10.09	10.21
LPG	4.91	5.02	4.60	4.17	4.15	4.08	3.97	3.83	3.61	3.45	3.32	3.18	3.08	3.00
Lubricants	1.90	1.81	2.03	2.03	2.03	2.12	2.21	2.28	2.31	2.36	2.42	2.48	2.54	2.61
Motor Gasoline	161.86	158.73	158.80	161.61	171.24	174.93	178.63	180.32	175.75	172.64	170.56	168.34	166.94	165.95
Natural Gas	0.58	0.28	0.16	0.16	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.08	0.07	0.06

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	1 203.38	1 176.37	1 172.18	1 162.28	1 185.25	1 175.90	1 184.98	1 181.58	1 161.22	1 158.99	1 162.12	1 157.06	1 150.68	1 148.96
Total Electric and Steam Energy Demand for Generation	257.41	227.62	226.64	220.36	210.93	286.05	291.61	300.50	291.39	288.23	295.78	298.58	305.52	309.27
Less Electricity and Steam Secondary Demand	219.23	210.71	208.61	214.13	219.64	221.54	224.07	223.96	222.31	224.07	226.71	226.94	226.62	226.66
Total Primary Demand	**1 241.56**	**1 193.28**	**1 190.21**	**1 168.50**	**1 176.54**	**1 240.41**	**1 252.52**	**1 258.12**	**1 230.30**	**1 223.16**	**1 231.19**	**1 228.70**	**1 229.58**	**1 231.57**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	392.14	407.52	366.84	343.30	340.78	361.54	359.25	356.51	333.68	319.25	316.74	309.29	305.43	299.45
RPP	396.54	392.45	394.26	394.66	417.42	430.94	440.39	443.97	435.65	432.08	430.65	428.94	427.87	428.32
Coal, Coke and Coke Oven Gas	15.28	19.42	19.61	21.32	21.35	27.25	29.66	29.71	29.86	30.86	32.23	32.43	32.37	32.66
Hydro	216.89	177.24	212.51	205.60	197.57	205.86	211.94	215.95	216.65	219.48	221.42	221.42	221.42	222.89
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	220.71	196.66	196.99	203.62	199.42	214.83	211.29	211.98	214.44	221.48	230.15	236.62	242.50	248.26

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.82**	**9.48**	**9.24**	**8.89**	**8.85**	**8.41**	**8.20**	**7.97**	**7.76**	**7.56**	**7.37**	**7.18**	**7.01**	**6.85**
Residential (PJ/Personal Income)	1.47	1.44	1.44	1.38	1.36	1.37	1.35	1.32	1.30	1.27	1.24	1.21	1.18	1.15
Commercial (PJ/GO)	1.04	1.07	1.07	0.91	0.88	0.92	0.90	0.89	0.86	0.83	0.80	0.78	0.75	0.73
Industrial (PJ/GO)	7.30	7.38	7.19	6.15	6.13	5.45	5.15	4.90	4.72	4.57	4.42	4.28	4.14	4.01
Transportation (PJ/GDP)	2.78	2.64	2.65	2.60	2.71	2.68	2.66	2.62	2.55	2.46	2.40	2.34	2.29	2.25

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
377.12	**379.40**	**382.97**	**384.72**	**386.55**	**388.95**	**391.99**	**394.26**	**395.97**	**397.04**	**398.44**	**399.16**	**401.69**	**403.66**	**405.13**	**407.00**	**411.85**
50.38	51.14	51.91	52.68	53.48	54.28	55.09	55.92	56.76	57.61	58.47	59.35	60.24	61.14	62.06	62.99	63.94
0.38	0.43	0.48	0.53	0.57	0.61	0.66	0.69	0.73	0.75	0.78	0.81	0.84	0.86	0.88	0.90	2.85
139.90	140.90	142.15	142.66	143.12	144.17	145.85	146.92	147.33	147.73	148.49	149.08	150.13	150.84	151.31	151.99	153.19
0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43
5.51	6.21	6.93	7.53	8.08	8.58	9.05	9.47	9.86	10.17	10.45	10.68	10.99	11.26	11.48	11.69	11.91
10.34	10.47	10.60	10.73	10.87	11.00	11.14	11.28	11.42	11.56	11.71	11.85	12.00	12.15	12.30	12.46	12.61
2.92	2.88	2.86	2.83	2.81	2.80	2.80	2.80	2.80	2.79	2.79	2.78	2.79	2.79	2.79	2.79	2.80
2.66	2.73	2.81	2.87	2.93	2.99	3.06	3.12	3.18	3.23	3.29	3.35	3.43	3.50	3.56	3.63	3.71
164.54	164.16	164.75	164.41	164.23	164.06	163.90	163.71	163.46	162.75	162.03	160.83	160.84	160.68	160.30	160.12	160.40
0.05	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 145.83	1 152.39	1 161.62	1 163.03	1 161.05	1 161.68	1 168.17	1 172.85	1 176.62	1 175.69	1 176.35	1 177.97	1 185.02	1 187.95	1 186.78	1 186.40	1 192.97
310.69	313.37	315.35	317.02	335.52	337.11	339.01	341.28	345.10	346.80	348.71	350.61	352.53	354.15	357.35	358.89	360.54
226.25	227.79	229.52	229.38	228.18	226.94	227.19	227.05	226.27	224.54	223.00	222.10	222.07	221.02	219.08	217.13	216.03
1 230.27	**1 237.98**	**1 247.45**	**1 250.67**	**1 268.39**	**1 271.84**	**1 279.99**	**1 287.08**	**1 295.45**	**1 297.95**	**1 302.06**	**1 306.48**	**1 315.49**	**1 321.08**	**1 325.05**	**1 328.17**	**1 337.48**
293.91	290.52	288.88	286.62	285.35	283.93	283.72	283.77	287.83	288.02	288.74	289.11	290.73	291.43	292.94	293.02	294.16
427.86	430.32	434.29	436.19	438.14	440.90	444.80	447.67	449.45	450.73	452.65	454.08	457.41	459.98	461.93	464.38	468.12
32.81	33.39	33.73	33.67	33.56	33.74	33.61	33.49	33.24	33.15	33.03	32.71	32.51	32.22	31.92	31.66	31.51
222.89	224.21	224.21	224.21	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
252.80	259.54	266.34	269.99	271.49	273.43	278.02	282.30	285.08	286.21	287.78	290.72	295.00	297.60	298.41	299.26	303.85

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.70	**6.56**	**6.43**	**6.31**	**6.18**	**6.07**	**5.96**	**5.86**	**5.77**	**5.67**	**5.57**	**5.47**	**5.39**	**5.30**	**5.21**	**5.12**	**5.06**
1.12	1.10	1.07	1.05	1.03	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78
0.72	0.70	0.68	0.67	0.66	0.65	0.64	0.63	0.63	0.62	0.62	0.61	0.60	0.60	0.59	0.58	0.57
3.91	3.81	3.72	3.63	3.54	3.45	3.37	3.29	3.24	3.17	3.11	3.05	2.99	2.94	2.88	2.83	2.79
2.21	2.16	2.12	2.09	2.06	2.03	2.00	1.97	1.94	1.91	1.89	1.85	1.83	1.80	1.78	1.76	1.75

Table A2.18: Demand, Triple E, Manitoba

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	17.91	17.33	16.55	15.61	14.56	13.32	14.92	12.99	13.00	15.13	14.99	14.94	15.75	15.97
Natural Gas	9.41	9.42	9.24	9.41	9.66	10.55	11.52	12.40	15.20	15.08	15.73	14.74	13.82	12.96
Light Fuel Oil	7.22	7.57	7.77	7.85	7.85	11.91	13.48	12.93	12.80	12.70	13.80	12.74	11.76	10.86
Commercial														
Electricity	15.56	15.60	13.96	14.32	13.51	12.36	14.74	12.42	12.44	15.16	15.00	14.96	16.03	16.35
Natural Gas	6.60	7.25	6.58	7.05	7.23	8.29	9.44	10.40	13.22	13.11	13.78	12.82	11.91	11.08
Light Fuel Oil	7.22	7.57	7.77	7.85	7.97	12.02	13.58	13.03	12.90	12.79	13.89	12.84	11.86	10.96
Industrial														
Electricity	10.55	9.92	12.11	9.79	8.72	7.87	9.18	7.80	7.81	9.40	9.30	9.28	9.90	10.08
Natural Gas	5.48	6.10	5.95	6.10	6.23	7.36	8.57	9.57	12.40	12.30	12.98	12.02	11.12	10.30
Heavy Fuel Oil	4.79	5.03	5.16	5.21	5.28	9.52	11.26	10.80	10.70	10.61	11.73	10.69	9.74	8.86
Transportation														
Gasoline	26.46	26.26	26.23	26.23	26.23	29.02	29.31	28.12	27.84	27.61	28.48	27.29	26.15	25.09
Diesel	21.17	22.75	20.97	21.30	21.30	24.43	25.07	24.04	23.81	23.61	24.56	23.41	22.31	21.30

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**257.38**	**246.31**	**256.50**	**256.09**	**261.59**	**263.56**	**268.13**	**269.64**	**264.64**	**262.12**	**259.83**	**259.18**	**257.29**	**256.42**
RPP[1,2]	102.80	101.57	101.53	104.60	107.46	107.22	109.66	110.32	108.21	106.76	105.14	104.61	103.57	103.03
Electric	57.55	58.10	59.75	61.85	62.64	63.44	65.09	65.94	65.67	65.66	65.65	65.96	65.72	65.50
Natural Gas	86.67	76.45	84.80	79.05	80.80	82.07	82.62	81.98	79.28	77.97	76.44	75.42	74.27	73.63
Biofuels & Emerging Energy[3]	8.36	8.21	8.37	8.49	8.58	8.62	8.59	9.28	9.39	9.61	10.47	11.06	11.62	12.14
Other[4]	1.99	1.98	2.06	2.09	2.11	2.19	2.17	2.13	2.09	2.12	2.13	2.12	2.11	2.12
Residential Sector	**48.50**	**46.06**	**47.92**	**48.04**	**48.41**	**49.10**	**50.40**	**51.57**	**51.03**	**50.65**	**50.34**	**50.69**	**50.61**	**50.46**
Biomass	2.74	2.63	2.75	2.83	2.87	2.94	3.04	3.11	3.10	3.11	3.12	3.17	3.19	3.21
Electricity	19.39	19.85	20.80	21.39	21.73	21.95	22.62	23.15	23.05	22.96	22.92	23.21	23.26	23.24
Natural Gas	25.51	22.94	23.88	23.33	23.38	23.78	24.32	24.44	23.91	23.55	23.19	23.07	22.78	22.53
RPP	0.85	0.64	0.49	0.50	0.43	0.42	0.42	0.40	0.39	0.37	0.36	0.35	0.33	0.31
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.58	0.65	0.74	0.89	1.04	1.17
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**66.32**	**59.42**	**64.80**	**58.39**	**59.19**	**60.22**	**60.49**	**60.54**	**58.60**	**57.73**	**56.67**	**55.85**	**54.90**	**54.39**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	17.16	17.36	17.22	17.46	18.68	18.64	18.90	19.15	18.94	18.86	18.76	18.69	18.48	18.35
Natural Gas	44.59	37.66	42.49	37.71	37.41	38.34	38.44	38.09	36.44	35.67	34.75	34.03	33.32	32.97
RPP	4.57	4.40	5.10	3.22	3.09	3.24	3.15	3.04	2.89	2.81	2.71	2.62	2.53	2.44
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.33	0.39	0.45	0.52	0.57	0.63
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**51.25**	**51.14**	**54.84**	**56.20**	**57.09**	**57.29**	**58.29**	**57.94**	**57.46**	**57.72**	**57.80**	**57.91**	**57.81**	**57.93**
Biomass	5.62	5.58	5.62	5.66	5.71	5.68	5.55	5.43	5.38	5.46	5.55	5.61	5.67	5.74
Coal, Coke & Coke Oven Gas	1.99	1.98	2.06	2.09	2.11	2.19	2.17	2.13	2.09	2.12	2.13	2.12	2.11	2.12
Electricity	21.00	20.90	21.74	23.00	22.23	22.85	23.56	23.64	23.68	23.84	23.96	24.06	23.98	23.91
Natural Gas	16.54	15.81	18.39	17.98	19.97	19.91	19.82	19.42	18.90	18.71	18.46	18.30	18.14	18.10
LPG & Petroleum Feedstocks	1.26	1.47	1.83	2.63	2.85	2.47	2.83	2.88	2.91	2.96	2.98	3.01	3.03	3.08
RPP	4.80	5.40	5.20	4.82	4.21	4.17	4.35	4.44	4.49	4.62	4.72	4.80	4.88	4.98
Still Gas & Petroleum Coke	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
15.84	15.79	15.78	15.89	16.03	16.21	16.09	17.58	17.76	17.54	17.94	18.35	18.76	19.20	19.62	20.06	20.50
12.18	12.00	11.37	10.78	10.25	9.77	9.87	9.84	9.81	9.78	9.75	10.25	10.22	10.20	10.17	10.14	10.12
10.04	10.11	9.44	8.82	8.26	7.75	8.10	8.08	8.06	8.04	8.03	8.82	8.80	8.78	8.76	8.75	8.73
16.23	16.19	16.22	16.38	16.58	16.84	16.71	18.64	18.88	18.63	19.16	19.69	20.24	20.81	21.36	21.92	22.50
10.32	10.15	9.53	8.96	8.44	7.98	8.08	8.06	8.03	8.01	7.99	8.50	8.48	8.45	8.43	8.41	8.39
10.13	10.20	9.52	8.91	8.35	7.84	8.19	8.17	8.15	8.13	8.11	8.90	8.88	8.87	8.85	8.83	8.81
10.01	9.98	10.00	10.09	10.20	10.35	10.27	11.40	11.53	11.39	11.69	12.00	12.32	12.65	12.97	13.30	13.64
9.54	9.39	8.77	8.21	7.70	7.23	7.34	7.32	7.30	7.28	7.26	7.77	7.75	7.73	7.71	7.70	7.68
8.06	8.14	7.49	6.89	6.34	5.85	6.20	6.19	6.18	6.17	6.16	6.95	6.94	6.93	6.92	6.91	6.90
24.11	23.98	23.19	22.47	21.81	21.22	21.45	21.37	21.31	21.24	21.18	21.86	21.80	21.73	21.67	21.60	21.54
20.36	20.29	19.54	18.84	18.21	17.64	17.92	17.86	17.80	17.75	17.70	18.42	18.37	18.32	18.27	18.22	18.17

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
255.21	**255.97**	**257.11**	**257.86**	**257.87**	**257.98**	**258.52**	**259.65**	**259.24**	**258.77**	**258.54**	**258.10**	**258.88**	**259.00**	**258.63**	**258.45**	**259.37**
102.39	102.50	102.81	103.03	103.03	103.16	103.36	103.65	103.65	103.54	103.51	103.33	103.71	103.93	104.02	104.24	104.68
65.12	65.20	65.30	65.19	64.74	64.24	63.95	63.71	63.09	62.50	61.95	61.45	61.19	60.74	60.15	59.58	59.14
73.00	73.01	73.19	73.42	73.58	73.81	74.13	74.97	75.02	75.17	75.44	75.56	76.01	76.25	76.35	76.50	76.84
12.58	13.11	13.64	14.05	14.35	14.61	14.91	15.16	15.33	15.43	15.53	15.65	15.86	15.98	16.03	16.08	16.67
2.12	2.14	2.17	2.18	2.17	2.16	2.17	2.16	2.15	2.13	2.11	2.10	2.11	2.10	2.08	2.05	2.04
50.16	**50.16**	**50.29**	**50.40**	**50.10**	**49.78**	**49.41**	**49.02**	**48.62**	**48.17**	**47.67**	**47.08**	**46.84**	**46.53**	**46.19**	**45.89**	**45.65**
3.20	3.22	3.24	3.25	3.23	3.21	3.19	3.17	3.14	3.11	3.08	3.05	3.03	3.02	2.99	2.98	2.96
23.13	23.17	23.24	23.29	23.14	22.96	22.78	22.57	22.35	22.12	21.87	21.59	21.47	21.30	21.13	20.97	20.83
22.24	22.10	22.03	21.98	21.77	21.59	21.37	21.19	20.99	20.77	20.54	20.25	20.13	19.98	19.83	19.69	19.60
0.30	0.29	0.27	0.26	0.25	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.14	0.13
1.28	1.39	1.51	1.62	1.71	1.78	1.85	1.90	1.94	1.97	2.00	2.02	2.05	2.08	2.10	2.11	2.13
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.82	**53.72**	**53.48**	**53.41**	**53.49**	**53.45**	**53.44**	**54.26**	**54.03**	**54.12**	**54.35**	**54.40**	**54.59**	**54.66**	**54.70**	**54.79**	**54.97**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.16	18.12	18.00	17.90	17.81	17.65	17.52	17.59	17.36	17.22	17.12	16.98	16.88	16.74	16.58	16.44	16.32
32.63	32.59	32.48	32.52	32.69	32.83	32.95	33.68	33.70	33.94	34.27	34.47	34.76	34.98	35.17	35.40	35.70
2.35	2.28	2.22	2.16	2.11	2.06	2.01	2.00	1.96	1.92	1.90	1.87	1.85	1.84	1.82	1.81	1.81
0.68	0.74	0.79	0.83	0.88	0.91	0.95	0.99	1.02	1.04	1.06	1.08	1.10	1.11	1.12	1.13	1.14
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.04	**58.74**	**59.64**	**60.04**	**60.18**	**60.47**	**61.24**	**61.71**	**61.93**	**61.93**	**62.03**	**62.40**	**62.95**	**63.17**	**63.07**	**62.96**	**63.11**
5.80	5.94	6.08	6.14	6.15	6.17	6.27	6.34	6.37	6.36	6.37	6.44	6.53	6.57	6.56	6.55	6.58
2.12	2.14	2.17	2.18	2.17	2.16	2.17	2.16	2.15	2.13	2.11	2.10	2.11	2.10	2.08	2.05	2.04
23.82	23.91	24.06	24.00	23.80	23.63	23.65	23.55	23.39	23.16	22.96	22.87	22.85	22.70	22.44	22.17	21.99
18.10	18.31	18.66	18.89	19.09	19.37	19.78	20.08	20.30	20.44	20.61	20.82	21.10	21.27	21.33	21.38	21.52
3.13	3.19	3.26	3.30	3.34	3.38	3.45	3.52	3.57	3.61	3.65	3.70	3.77	3.82	3.84	3.86	3.91
5.07	5.23	5.39	5.51	5.63	5.75	5.92	6.05	6.14	6.22	6.32	6.44	6.58	6.70	6.81	6.93	7.07
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**91.31**	**89.69**	**88.94**	**93.46**	**96.91**	**96.95**	**98.95**	**99.59**	**97.56**	**96.03**	**95.02**	**94.73**	**93.97**	**93.64**
Aviation Fuel	7.87	7.54	7.09	7.68	6.37	6.49	6.61	6.72	6.85	6.97	7.09	7.22	7.35	7.48
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.09	0.12	0.14
Diesel	32.43	31.66	30.79	33.79	37.11	37.17	38.34	38.69	38.13	37.67	37.13	36.93	36.48	36.31
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.79	1.03	1.25
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.57	0.48	0.30	0.33	0.32	0.30	0.28	0.27	0.24	0.22	0.20	0.18	0.16	0.15
Lubricants	0.52	0.52	0.63	0.66	0.54	0.55	0.57	0.59	0.59	0.60	0.61	0.63	0.64	0.65
Motor Gasoline	49.89	49.46	50.10	50.97	52.52	52.39	53.10	53.28	51.71	50.54	49.34	48.87	48.16	47.62
Natural Gas	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	257.38	246.31	256.50	256.09	261.59	263.56	268.13	269.64	264.64	262.12	259.83	259.18	257.29	256.42
Total Electric and Steam Energy Demand for Generation	124.29	123.71	108.03	83.25	103.47	68.44	76.44	77.49	117.70	121.30	114.89	115.81	121.74	124.19
Less Electricity and Steam Secondary Demand	57.55	58.10	59.75	61.85	62.64	63.44	65.09	65.94	65.67	65.66	65.65	65.96	65.72	65.50
Total Primary Demand	**324.12**	**311.92**	**304.78**	**277.49**	**302.42**	**268.55**	**279.48**	**281.19**	**316.67**	**317.77**	**309.07**	**309.03**	**313.31**	**315.11**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	86.67	76.45	84.80	79.05	80.80	82.07	82.62	81.98	80.40	79.51	77.08	76.07	74.91	74.27
RPP[1]	102.95	101.79	101.71	104.83	107.59	107.34	109.79	110.45	111.58	110.15	106.97	106.44	105.35	106.34
Coal, Coke and Coke Oven Gas	12.64	7.07	6.18	12.26	7.49	2.19	2.17	2.13	8.23	10.52	5.64	5.64	5.63	5.64
Hydro	113.50	118.40	103.72	72.86	97.96	68.04	75.99	76.38	104.78	104.78	104.78	104.78	109.84	109.84
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	8.36	8.21	8.37	8.49	8.58	8.90	8.90	10.26	11.67	12.81	14.59	16.11	17.58	19.02

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**7.89**	**7.39**	**7.52**	**7.48**	**7.43**	**7.25**	**7.14**	**7.02**	**6.83**	**6.65**	**6.46**	**6.32**	**6.15**	**6.02**
Residential (PJ/Personal Income)	1.88	1.78	1.84	1.83	1.80	1.80	1.77	1.75	1.73	1.70	1.66	1.63	1.58	1.55
Commercial (PJ/GO)	1.77	1.56	1.66	1.51	1.49	1.47	1.44	1.41	1.36	1.32	1.27	1.23	1.19	1.16
Industrial (PJ/GO)	2.43	2.27	2.33	2.29	2.25	2.19	2.13	2.07	2.01	1.96	1.91	1.87	1.82	1.78
Transportation (PJ/GDP)	2.80	2.69	2.61	2.73	2.75	2.67	2.63	2.59	2.52	2.43	2.36	2.31	2.25	2.20

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
93.18	**93.35**	**93.70**	**94.02**	**94.11**	**94.28**	**94.42**	**94.85**	**94.86**	**94.56**	**94.49**	**94.22**	**94.50**	**94.64**	**94.67**	**94.82**	**95.64**
7.62	7.76	7.90	8.04	8.18	8.33	8.48	8.63	8.79	8.95	9.11	9.27	9.44	9.61	9.78	9.96	10.14
0.16	0.19	0.21	0.23	0.25	0.27	0.29	0.30	0.32	0.33	0.34	0.35	0.37	0.38	0.38	0.39	0.91
36.12	36.23	36.39	36.46	36.45	36.57	36.77	36.99	37.07	37.12	37.21	37.27	37.50	37.65	37.75	37.90	38.14
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.44	1.63	1.81	1.98	2.14	2.26	2.37	2.46	2.54	2.61	2.67	2.72	2.78	2.83	2.87	2.91	2.95
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02
0.67	0.68	0.70	0.71	0.73	0.74	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.84	0.85	0.87	0.88
47.01	46.71	46.57	46.47	46.25	46.01	45.67	45.42	45.08	44.69	44.30	43.74	43.54	43.28	42.98	42.74	42.58
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
255.20	255.97	257.11	257.86	257.87	257.98	258.52	259.65	259.24	258.77	258.54	258.10	258.88	259.00	258.63	258.45	259.37
125.11	120.71	121.92	125.49	137.18	139.05	137.19	175.84	177.01	178.19	179.36	180.54	181.71	182.89	183.69	184.72	185.89
65.12	65.20	65.30	65.19	64.74	64.24	63.95	63.71	63.09	62.50	61.95	61.45	61.19	60.74	60.15	59.58	59.14
315.19	**311.48**	**313.74**	**318.16**	**330.31**	**332.79**	**331.76**	**371.78**	**373.16**	**374.46**	**375.96**	**377.19**	**379.40**	**381.14**	**382.17**	**383.59**	**386.12**
73.64	73.21	73.45	73.68	73.84	74.07	74.39	75.23	75.28	75.43	75.70	75.82	76.27	76.51	76.55	76.68	77.01
105.70	102.98	103.54	106.33	106.32	106.45	103.61	103.89	103.88	103.77	103.74	103.56	103.95	104.16	104.25	104.47	104.91
5.64	3.56	3.59	3.59	3.58	3.57	3.58	3.57	3.56	3.54	3.53	3.52	3.52	3.51	3.17	3.02	3.01
109.84	109.84	109.84	109.84	120.76	121.48	121.54	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.38	21.83	23.33	24.73	25.81	27.21	28.64	30.29	31.64	32.92	34.19	35.49	36.87	38.17	39.40	40.62	42.38

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5.90	**5.77**	**5.67**	**5.58**	**5.47**	**5.39**	**5.29**	**5.17**	**5.08**	**5.01**	**4.92**	**4.83**	**4.76**	**4.69**	**4.62**	**4.55**	**4.49**
1.51	1.48	1.44	1.41	1.38	1.35	1.32	1.29	1.26	1.24	1.21	1.18	1.15	1.12	1.10	1.07	1.04
1.13	1.10	1.07	1.05	1.03	1.02	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
1.75	1.72	1.70	1.67	1.65	1.63	1.60	1.58	1.56	1.54	1.51	1.49	1.47	1.44	1.42	1.39	1.37
2.15	2.11	2.07	2.04	2.00	1.97	1.93	1.88	1.86	1.83	1.80	1.77	1.74	1.71	1.69	1.67	1.66

Table A2.19: Demand, Triple E, New Brunswick

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	23.94	24.24	23.62	22.86	21.35	19.49	16.59	17.94	18.90	21.20	21.59	21.38	25.37	25.06
Natural Gas	9.71	9.51	9.49	9.37	9.64	10.53	11.51	12.39	15.19	15.06	15.72	14.73	13.81	12.95
Light Fuel Oil	13.40	13.15	12.25	13.93	13.87	17.51	18.66	17.90	17.73	17.58	18.63	17.53	16.50	15.55
Commercial														
Electricity	25.73	25.34	28.23	25.49	23.67	21.84	18.57	20.31	21.55	24.51	25.04	24.80	29.91	29.55
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.10	12.92	12.81	13.49	12.52	11.62	10.79
Light Fuel Oil	13.40	13.15	12.25	13.93	14.10	17.73	18.86	18.09	17.92	17.77	18.82	17.72	16.69	15.73
Industrial														
Electricity	16.58	19.82	14.22	13.96	13.50	12.42	10.71	11.59	12.20	13.81	14.10	13.97	16.77	16.56
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	8.83	11.66	11.57	12.25	11.30	10.41	9.59
Heavy Fuel Oil	9.36	9.17	8.54	9.72	9.77	13.70	15.14	14.52	14.38	14.26	15.34	14.27	13.28	12.36
Transportation														
Gasoline	28.80	28.43	28.82	28.82	28.82	31.43	31.55	30.26	29.96	29.71	30.56	29.35	28.19	27.11
Diesel	23.69	25.04	22.22	21.89	21.89	24.98	25.57	24.53	24.29	24.08	25.03	23.87	22.77	21.75

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**267.68**	**257.69**	**263.81**	**259.64**	**271.60**	**252.81**	**251.64**	**250.08**	**245.61**	**244.65**	**244.87**	**244.25**	**242.91**	**242.86**
RPP[1,2]	156.56	152.33	150.45	150.12	152.91	141.37	140.58	139.51	136.34	134.95	134.03	132.98	131.86	131.62
Electric	56.47	53.89	53.87	53.07	59.31	55.12	55.68	55.59	54.81	54.68	54.83	54.72	54.19	53.84
Natural Gas	0.34	0.34	2.76	2.42	3.57	3.30	3.49	4.06	4.23	4.38	4.60	4.85	5.06	5.31
Biofuels & Emerging Energy[3]	48.08	45.11	50.85	48.10	49.71	47.35	46.51	45.82	45.37	45.94	46.93	47.41	47.69	48.16
Other[4]	6.23	6.03	5.88	5.94	6.10	5.67	5.38	5.09	4.85	4.70	4.49	4.30	4.11	3.94
Residential Sector	**33.18**	**31.85**	**33.14**	**33.56**	**34.19**	**33.71**	**34.08**	**34.78**	**34.53**	**34.25**	**34.33**	**34.30**	**34.09**	**33.84**
Biomass	6.39	6.44	6.63	6.54	6.65	6.55	6.55	6.54	6.43	6.34	6.30	6.23	6.18	6.11
Electricity	17.92	17.87	18.68	19.26	19.87	19.60	19.97	20.22	20.09	19.91	19.94	19.90	19.75	19.58
Natural Gas	0.00	0.00	0.00	0.57	0.76	0.73	0.75	1.13	1.23	1.29	1.39	1.54	1.68	1.83
RPP[5]	8.87	7.54	7.84	7.18	6.91	6.83	6.82	6.79	6.66	6.57	6.53	6.43	6.25	6.08
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.13	0.14	0.17	0.20	0.23	0.25
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**19.47**	**18.64**	**18.59**	**20.00**	**25.32**	**21.46**	**21.61**	**21.63**	**21.15**	**20.85**	**21.02**	**20.96**	**20.74**	**20.73**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	10.23	9.87	9.86	10.24	10.47	9.77	9.84	9.79	9.53	9.33	9.34	9.24	9.02	8.88
Natural Gas	0.00	0.00	0.00	0.81	0.96	0.95	1.11	1.31	1.39	1.47	1.60	1.70	1.79	1.89
RPP[5]	9.24	8.77	8.73	8.95	13.90	10.74	10.65	10.49	10.18	9.98	10.00	9.93	9.84	9.85
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.07	0.08	0.09	0.10	0.11
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**138.19**	**131.07**	**136.07**	**130.19**	**134.53**	**121.50**	**119.62**	**117.50**	**115.60**	**116.43**	**116.75**	**116.73**	**116.41**	**116.98**
Biomass	41.69	38.67	44.22	41.56	43.06	40.80	39.96	39.13	38.76	39.40	39.91	40.22	40.35	40.66
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	28.32	26.15	25.34	23.56	28.97	25.75	25.87	25.58	25.20	25.43	25.54	25.58	25.42	25.38
Natural Gas	0.34	0.34	2.76	1.03	1.85	1.62	1.63	1.63	1.61	1.62	1.61	1.60	1.59	1.59
LPG & Petroleum Feedstocks	15.88	15.49	14.92	15.42	15.54	13.51	13.65	13.86	13.83	14.09	14.31	14.46	14.62	14.97
RPP[5]	32.92	26.35	24.91	25.56	24.81	22.20	21.40	20.54	19.87	19.62	19.26	18.92	18.62	18.48
Still Gas & Petroleum Coke	12.82	18.05	18.05	17.11	14.20	11.95	11.72	11.66	11.47	11.57	11.62	11.65	11.71	11.95
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	6.23	6.03	5.88	5.94	6.10	5.67	5.38	5.09	4.85	4.70	4.49	4.30	4.11	3.94

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
25.23	24.78	24.46	24.88	24.61	24.66	24.72	24.93	25.96	26.72	27.73	28.95	28.92	30.65	32.17	34.24	36.59
12.17	11.99	11.35	10.77	10.24	9.76	9.85	9.82	9.80	9.77	9.74	10.24	10.21	10.18	10.16	10.13	10.10
14.68	14.70	13.99	13.34	12.74	12.21	12.54	12.50	12.47	12.43	12.40	13.17	13.14	13.11	13.08	13.04	13.01
29.79	29.26	28.88	29.44	29.12	29.21	29.30	29.60	30.93	31.92	33.21	34.79	34.77	36.98	38.93	41.59	44.59
10.03	9.87	9.25	8.69	8.17	7.70	7.81	7.79	7.76	7.74	7.72	8.23	8.21	8.19	8.17	8.15	8.13
14.86	14.88	14.16	13.51	12.92	12.38	12.71	12.67	12.64	12.60	12.57	13.34	13.31	13.28	13.24	13.21	13.18
16.69	16.40	16.19	16.49	16.31	16.35	16.40	16.56	17.29	17.83	18.54	19.40	19.39	20.60	21.67	23.12	24.77
8.85	8.70	8.09	7.53	7.02	6.56	6.67	6.66	6.64	6.62	6.61	7.12	7.10	7.08	7.07	7.05	7.03
11.52	11.57	10.89	10.26	9.69	9.18	9.52	9.49	9.47	9.45	9.42	10.21	10.19	10.16	10.14	10.12	10.10
26.11	25.96	25.15	24.41	23.74	23.14	23.36	23.28	23.21	23.13	23.06	23.74	23.67	23.59	23.52	23.45	23.38
20.81	20.74	19.98	19.28	18.64	18.08	18.35	18.29	18.23	18.18	18.12	18.85	18.79	18.74	18.69	18.63	18.58

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
242.44	**243.72**	**245.51**	**245.59**	**244.70**	**244.20**	**244.96**	**245.28**	**245.13**	**244.23**	**243.83**	**243.64**	**244.78**	**244.99**	**244.36**	**243.96**	**244.85**
131.19	131.60	132.37	132.46	132.33	132.52	133.03	133.31	133.57	133.62	133.97	134.18	135.08	135.69	136.06	136.61	137.57
53.35	53.28	53.30	52.93	52.33	51.76	51.51	51.21	50.77	50.15	49.62	49.16	48.97	48.55	47.95	47.36	46.93
5.55	5.81	6.10	6.35	6.57	6.79	7.03	7.24	7.43	7.58	7.77	7.91	8.09	8.24	8.38	8.52	8.70
48.56	49.35	50.14	50.34	50.05	49.80	50.08	50.25	50.14	49.71	49.34	49.30	49.56	49.44	48.96	48.50	48.71
3.79	3.68	3.60	3.51	3.41	3.33	3.30	3.26	3.22	3.16	3.11	3.09	3.08	3.05	3.01	2.97	2.95
33.49	**33.35**	**33.27**	**33.01**	**32.69**	**32.31**	**31.93**	**31.60**	**31.26**	**30.88**	**30.47**	**30.03**	**29.80**	**29.52**	**29.23**	**28.96**	**28.73**
6.02	5.97	5.92	5.84	5.74	5.64	5.54	5.44	5.35	5.26	5.16	5.07	5.00	4.93	4.86	4.80	4.75
19.33	19.22	19.14	18.94	18.71	18.44	18.19	17.96	17.72	17.45	17.17	16.87	16.68	16.47	16.23	16.00	15.77
1.96	2.10	2.25	2.38	2.50	2.61	2.71	2.80	2.90	2.97	3.05	3.11	3.20	3.29	3.37	3.45	3.54
5.90	5.76	5.64	5.50	5.37	5.23	5.10	4.98	4.87	4.76	4.65	4.54	4.46	4.39	4.31	4.26	4.21
0.28	0.30	0.33	0.35	0.37	0.38	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.46	0.46
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.70	**20.82**	**20.99**	**21.11**	**21.19**	**21.28**	**21.47**	**21.59**	**21.68**	**21.72**	**21.92**	**21.94**	**22.04**	**22.06**	**22.07**	**22.13**	**22.22**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.71	8.63	8.56	8.47	8.37	8.27	8.22	8.15	8.07	7.99	7.95	7.87	7.83	7.76	7.68	7.62	7.57
2.00	2.12	2.23	2.35	2.45	2.54	2.65	2.74	2.81	2.87	2.97	3.02	3.07	3.10	3.13	3.17	3.21
9.86	9.94	10.05	10.14	10.22	10.30	10.43	10.52	10.60	10.66	10.80	10.85	10.94	10.99	11.05	11.12	11.22
0.12	0.13	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.26	**118.46**	**119.91**	**120.14**	**119.63**	**119.43**	**120.33**	**120.90**	**120.98**	**120.49**	**120.32**	**120.75**	**121.82**	**122.16**	**121.82**	**121.55**	**121.99**
40.96	41.61	42.25	42.38	42.04	41.76	42.03	42.18	42.07	41.65	41.32	41.32	41.57	41.46	41.01	40.57	40.45
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.30	25.42	25.60	25.52	25.25	25.05	25.10	25.11	24.98	24.71	24.50	24.42	24.46	24.33	24.04	23.74	23.58
1.58	1.59	1.61	1.62	1.62	1.64	1.67	1.70	1.72	1.73	1.76	1.78	1.82	1.85	1.88	1.90	1.94
15.16	15.42	15.72	15.87	15.98	16.13	16.34	16.50	16.62	16.71	16.86	17.08	17.37	17.62	17.84	18.07	18.37
18.40	18.50	18.66	18.68	18.66	18.74	18.96	19.11	19.27	19.36	19.51	19.68	19.96	20.14	20.22	20.32	20.54
12.07	12.24	12.45	12.56	12.66	12.78	12.93	13.04	13.11	13.17	13.26	13.38	13.56	13.71	13.83	13.97	14.16
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.79	3.68	3.60	3.51	3.41	3.33	3.30	3.26	3.22	3.16	3.11	3.09	3.08	3.05	3.01	2.97	2.95

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**76.84**	**76.13**	**76.01**	**75.88**	**77.55**	**76.15**	**76.34**	**76.17**	**74.33**	**73.12**	**72.78**	**72.26**	**71.66**	**71.31**
Aviation Fuel	3.07	2.90	2.25	2.40	2.43	2.47	2.50	2.53	2.56	2.60	2.63	2.66	2.70	2.73
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.10	0.12
Diesel	37.15	35.88	35.50	34.92	36.57	35.64	36.04	36.14	35.39	35.20	35.10	34.94	34.75	34.71
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.59	0.75	0.91
Heavy Fuel Oil	0.45	0.78	0.80	0.78	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.94	0.95
LPG	0.11	0.13	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Lubricants	0.42	0.34	0.31	0.23	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.28	0.28	0.29
Motor Gasoline	35.64	36.10	37.12	37.53	37.43	36.91	36.66	36.34	35.20	34.14	33.39	32.77	32.14	31.60
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	267.68	257.69	263.81	259.64	271.60	252.81	251.64	250.08	245.61	244.65	244.87	244.25	242.91	242.86
Total Electric and Steam Energy Demand for Generation	181.37	202.82	175.42	177.22	220.55	140.14	147.34	142.46	151.54	105.89	157.73	160.21	147.67	145.91
Less Electricity and Steam Secondary Demand	62.71	59.92	59.75	59.00	65.41	60.79	61.06	60.69	59.67	59.38	59.32	59.02	58.30	57.78
Total Primary Demand	**386.35**	**400.60**	**379.47**	**377.86**	**426.73**	**332.16**	**337.93**	**331.85**	**337.48**	**291.16**	**343.28**	**345.43**	**332.27**	**330.99**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.34	0.34	2.76	2.42	17.11	15.73	15.92	16.49	16.66	16.80	17.02	17.27	17.48	17.73
RPP	243.75	253.96	233.93	220.72	263.49	175.66	179.94	175.40	187.93	185.42	195.58	189.64	179.26	178.08
Coal, Coke and Coke Oven Gas	36.40	41.13	40.26	39.97	35.71	25.98	26.34	26.34	27.90	26.34	26.34	23.49	20.48	19.78
Hydro	11.85	7.63	8.10	11.63	10.84	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08
Nuclear	45.93	52.43	43.58	55.01	49.87	52.78	54.55	52.47	43.63	0.00	40.08	49.64	48.71	47.93
Biofuels & Emerging Energy	48.08	45.11	50.85	48.10	49.71	51.94	51.10	51.07	51.28	52.52	54.17	55.31	56.26	57.39

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**14.15**	**13.44**	**13.34**	**13.20**	**13.34**	**12.36**	**11.99**	**11.73**	**11.48**	**11.27**	**10.97**	**10.74**	**10.56**	**10.38**
Residential (PJ/Personal Income)	2.00	1.91	2.01	2.04	2.05	1.99	1.96	1.95	1.92	1.89	1.86	1.81	1.76	1.72
Commercial (PJ/GO)	0.92	0.86	0.84	0.92	1.16	0.94	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80
Industrial (PJ/GO)	8.34	7.62	7.49	7.67	6.26	6.20	6.03	5.87	5.75	5.65	5.55	5.45	5.37	5.29
Transportation (PJ/GDP)	4.06	3.97	3.84	3.86	3.81	3.72	3.64	3.57	3.47	3.37	3.26	3.18	3.12	3.05

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
70.99	**71.08**	**71.33**	**71.33**	**71.19**	**71.19**	**71.22**	**71.19**	**71.21**	**71.14**	**71.12**	**70.92**	**71.14**	**71.24**	**71.24**	**71.32**	**71.90**
2.77	2.81	2.84	2.88	2.92	2.95	2.99	3.03	3.07	3.11	3.15	3.19	3.23	3.28	3.32	3.36	3.41
0.14	0.16	0.18	0.19	0.21	0.22	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.32	0.67
34.69	34.91	35.15	35.21	35.21	35.29	35.46	35.56	35.72	35.84	36.01	36.13	36.41	36.60	36.72	36.89	37.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.05	1.18	1.32	1.44	1.54	1.63	1.71	1.78	1.85	1.90	1.94	1.98	2.03	2.07	2.10	2.13	2.16
0.96	0.97	0.98	1.00	1.01	1.02	1.03	1.05	1.06	1.07	1.09	1.10	1.11	1.13	1.14	1.16	1.17
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.38
31.09	30.75	30.55	30.30	29.99	29.75	29.46	29.18	28.91	28.60	28.29	27.87	27.70	27.49	27.27	27.09	26.96
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
242.44	243.72	245.51	245.60	244.70	244.20	244.95	245.28	245.13	244.23	243.83	243.64	244.79	244.99	244.36	243.96	244.85
144.93	144.54	146.62	150.59	149.42	148.43	151.76	150.02	147.99	145.39	176.87	176.32	173.51	172.98	171.45	170.99	166.66
57.14	56.96	56.91	56.45	55.74	55.09	54.80	54.48	53.99	53.31	52.74	52.25	52.05	51.61	50.96	50.33	49.88
330.22	**331.30**	**335.21**	**339.74**	**338.38**	**337.54**	**341.91**	**340.82**	**339.13**	**336.30**	**367.96**	**367.71**	**366.24**	**366.36**	**364.85**	**364.62**	**361.63**
17.97	18.24	18.52	21.91	21.87	22.47	21.29	21.16	20.96	20.79	21.98	21.71	21.00	20.95	22.07	21.81	21.58
177.63	178.01	181.07	182.77	182.83	182.61	183.78	183.37	182.84	181.76	148.06	147.45	146.68	146.55	144.34	144.88	145.84
18.96	18.44	18.01	17.28	16.41	15.59	16.83	16.11	15.32	14.43	12.89	12.89	12.00	11.70	11.09	10.39	7.94
10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08
47.12	46.58	46.13	45.41	44.49	43.68	45.88	45.17	44.43	43.52	108.88	108.88	108.88	108.88	108.88	108.88	106.68
58.45	59.95	61.40	62.27	62.70	63.10	64.05	64.93	65.49	65.72	66.06	66.69	67.61	68.20	68.38	68.59	69.51

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
10.21	**10.04**	**9.90**	**9.74**	**9.60**	**9.46**	**9.32**	**9.19**	**9.07**	**8.93**	**8.78**	**8.64**	**8.53**	**8.42**	**8.29**	**8.17**	**8.07**
1.67	1.63	1.58	1.54	1.50	1.46	1.42	1.39	1.35	1.32	1.28	1.25	1.22	1.18	1.15	1.12	1.09
0.78	0.77	0.76	0.76	0.75	0.75	0.74	0.73	0.73	0.72	0.72	0.71	0.70	0.70	0.69	0.68	0.68
5.22	5.15	5.09	5.04	4.98	4.92	4.86	4.81	4.74	4.67	4.60	4.53	4.46	4.39	4.32	4.25	4.18
2.99	2.93	2.88	2.83	2.79	2.76	2.71	2.67	2.63	2.60	2.56	2.52	2.48	2.45	2.42	2.39	2.37

Table A2.20: Demand, Triple E, Newfoundland and Labrador

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	22.76	21.09	22.17	21.69	20.95	20.49	21.61	22.39	22.50	22.53	22.66	22.96	23.07	22.87
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.39	15.19	15.06	15.72	14.73	13.81	12.95
Light Fuel Oil	15.19	15.00	13.65	14.90	14.85	18.43	19.51	18.71	18.53	18.38	19.42	18.32	17.28	16.32
Commercial														
Electricity	23.29	23.34	22.13	21.89	17.19	16.76	18.30	19.34	19.50	19.55	19.70	19.93	20.19	20.00
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.10	12.92	12.81	13.49	12.52	11.62	10.79
Light Fuel Oil	15.19	15.00	13.65	14.90	15.10	18.66	19.73	18.92	18.74	18.58	19.63	18.52	17.48	16.51
Industrial														
Electricity	5.91	5.85	5.07	5.99	6.77	6.40	10.53	13.03	13.39	13.46	13.73	14.23	14.72	14.45
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	8.83	11.66	11.57	12.25	11.30	10.41	9.59
Heavy Fuel Oil	10.59	10.48	9.52	10.39	10.46	14.34	15.73	15.08	14.94	14.81	15.89	14.82	13.82	12.90
Transportation														
Gasoline	31.26	31.17	31.17	31.17	31.17	33.62	33.57	32.20	31.89	31.62	32.46	31.23	30.05	28.94
Diesel	22.89	24.48	22.89	22.74	22.74	25.77	26.31	25.23	24.98	24.78	25.72	24.55	23.44	22.42

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**137.12**	**140.09**	**166.57**	**165.32**	**154.38**	**152.39**	**155.68**	**162.80**	**161.02**	**154.05**	**144.94**	**139.35**	**137.33**	**144.07**
RPP[1,2]	81.54	85.54	88.89	93.13	86.91	85.55	87.14	87.84	86.88	84.85	82.07	80.27	79.30	80.68
Electric	36.03	35.83	36.32	36.78	35.92	36.17	36.97	38.25	37.80	36.38	34.46	33.27	32.78	34.01
Natural Gas	6.48	6.98	28.04	21.42	18.47	17.75	18.46	23.52	23.18	19.65	15.18	12.65	12.14	16.10
Biofuels & Emerging Energy[3]	8.51	8.27	9.83	9.85	9.35	9.47	9.50	9.59	9.47	9.42	9.55	9.60	9.71	10.02
Other[4]	4.57	3.47	3.48	4.14	3.73	3.47	3.61	3.60	3.69	3.76	3.68	3.55	3.40	3.28
Residential Sector	**20.51**	**21.46**	**22.77**	**22.11**	**20.99**	**22.24**	**23.30**	**23.91**	**23.82**	**23.11**	**22.09**	**21.55**	**21.31**	**21.77**
Biomass	3.58	3.72	3.89	3.77	3.70	3.93	4.09	4.17	4.13	3.99	3.80	3.69	3.66	3.75
Electricity	11.22	11.66	12.22	12.25	12.33	12.95	13.58	13.88	13.79	13.35	12.73	12.38	12.26	12.54
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	5.71	6.08	6.67	6.09	4.96	5.36	5.62	5.77	5.79	5.65	5.44	5.34	5.24	5.30
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.10	0.12	0.12	0.14	0.15	0.18
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**11.79**	**12.69**	**13.80**	**14.93**	**14.38**	**14.38**	**14.49**	**14.57**	**14.30**	**14.03**	**13.63**	**13.38**	**13.21**	**13.41**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	7.18	7.30	7.57	7.65	7.66	7.85	8.00	8.09	7.98	7.87	7.67	7.55	7.46	7.58
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	4.61	5.39	6.23	7.28	6.72	6.53	6.49	6.45	6.28	6.12	5.90	5.76	5.68	5.75
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.05	0.06	0.07	0.07	0.08
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**55.54**	**56.71**	**88.40**	**75.69**	**66.69**	**63.76**	**64.46**	**70.32**	**69.48**	**65.16**	**59.40**	**55.84**	**54.82**	**59.91**
Biomass	4.93	4.55	5.94	6.08	5.64	5.54	5.41	5.29	5.19	5.26	5.31	5.35	5.38	5.43
Coal, Coke & Coke Oven Gas	4.57	3.47	3.48	4.14	3.73	3.47	3.61	3.60	3.69	3.76	3.68	3.55	3.40	3.28
Electricity	17.64	16.87	16.54	16.88	15.94	15.37	15.38	16.28	16.03	15.17	14.07	13.34	13.06	13.89
Natural Gas	6.48	6.98	28.04	21.42	18.47	17.75	18.46	23.52	23.18	19.65	15.18	12.65	12.14	16.10
LPG & Petroleum Feedstocks	1.01	1.01	0.87	0.57	0.74	0.78	0.86	1.06	1.12	1.06	0.95	0.89	0.90	1.08
RPP	15.15	13.95	14.14	16.17	13.69	12.54	12.32	12.00	11.72	11.53	11.32	11.06	10.84	10.78
Still Gas & Petroleum Coke	5.77	9.89	11.39	10.42	8.48	8.32	8.41	8.57	8.55	8.73	8.89	9.00	9.11	9.36
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
22.88	22.61	22.58	21.91	21.92	21.96	22.01	22.07	22.28	22.42	22.60	22.75	22.91	23.09	23.18	23.30	23.50
12.17	11.99	11.35	10.77	10.24	9.76	9.85	9.82	9.80	9.77	9.74	10.24	10.21	10.18	10.16	10.13	10.10
15.44	15.45	14.73	14.08	13.48	12.94	13.27	13.22	13.19	13.15	13.12	13.89	13.85	13.82	13.78	13.75	13.71
20.07	19.83	19.84	19.16	19.21	19.28	19.37	19.48	19.73	19.92	20.14	20.34	20.54	20.71	20.89	21.05	21.29
10.03	9.87	9.25	8.69	8.17	7.70	7.81	7.79	7.76	7.74	7.72	8.23	8.21	8.19	8.17	8.15	8.13
15.63	15.64	14.92	14.27	13.66	13.13	13.45	13.41	13.37	13.34	13.30	14.07	14.03	14.00	13.96	13.93	13.89
14.62	14.34	14.46	13.40	13.58	13.80	14.04	14.30	14.82	15.21	15.68	16.10	16.52	17.00	17.29	17.64	18.14
8.85	8.70	8.09	7.53	7.02	6.56	6.67	6.66	6.64	6.62	6.61	7.12	7.10	7.08	7.07	7.05	7.03
12.05	12.10	11.41	10.78	10.20	9.68	10.02	10.00	9.97	9.95	9.92	10.71	10.68	10.66	10.63	10.61	10.58
27.92	27.75	26.94	26.18	25.49	24.88	25.10	25.01	24.93	24.85	24.77	25.44	25.37	25.29	25.21	25.14	25.06
21.47	21.39	20.62	19.92	19.28	18.71	18.98	18.91	18.86	18.80	18.74	19.46	19.41	19.35	19.30	19.24	19.19

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
146.19	**144.03**	**141.37**	**141.77**	**138.74**	**135.93**	**133.27**	**131.08**	**128.95**	**129.79**	**128.02**	**126.16**	**125.39**	**124.57**	**123.77**	**122.27**	**121.68**
80.97	80.54	80.05	81.32	80.61	80.04	79.57	79.26	78.90	80.56	80.29	79.95	79.97	79.91	79.81	79.61	79.66
34.24	33.88	33.31	32.60	31.83	31.05	30.37	29.81	29.23	28.53	28.00	27.49	27.17	26.82	26.44	25.93	25.58
17.64	16.26	14.65	13.49	12.08	10.80	9.43	8.23	7.19	6.12	5.32	4.45	4.05	3.78	3.61	2.99	2.69
10.17	10.36	10.50	10.69	10.68	10.63	10.63	10.63	10.60	10.66	10.59	10.56	10.58	10.55	10.49	10.41	10.51
3.15	2.99	2.87	3.68	3.54	3.41	3.27	3.15	3.03	3.92	3.82	3.71	3.61	3.52	3.42	3.32	3.24
21.79	**21.58**	**21.35**	**20.84**	**20.41**	**19.88**	**19.38**	**19.07**	**18.75**	**18.34**	**18.00**	**17.63**	**17.41**	**17.16**	**16.92**	**16.66**	**16.44**
3.76	3.73	3.69	3.61	3.54	3.44	3.36	3.30	3.25	3.18	3.12	3.06	3.03	2.99	2.95	2.90	2.86
12.56	12.45	12.32	12.03	11.78	11.47	11.18	11.01	10.82	10.60	10.40	10.19	10.06	9.92	9.78	9.63	9.51
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.28	5.19	5.11	4.96	4.84	4.70	4.57	4.48	4.39	4.29	4.19	4.09	4.03	3.96	3.90	3.82	3.77
0.19	0.21	0.22	0.24	0.25	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.30	0.30	0.30	0.31
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.39	**13.52**	**13.41**	**13.36**	**13.26**	**13.17**	**13.09**	**13.01**	**12.94**	**12.88**	**12.84**	**12.75**	**12.69**	**12.63**	**12.55**	**12.46**	**12.39**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.56	7.64	7.56	7.51	7.42	7.32	7.25	7.17	7.09	7.03	6.97	6.90	6.84	6.78	6.71	6.63	6.56
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.74	5.78	5.74	5.74	5.72	5.71	5.71	5.70	5.70	5.70	5.72	5.70	5.69	5.69	5.68	5.66	5.66
0.09	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.17
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.74	**60.08**	**58.24**	**59.79**	**57.77**	**56.03**	**54.41**	**52.88**	**51.40**	**52.98**	**51.80**	**50.68**	**50.22**	**49.77**	**49.31**	**48.29**	**47.80**
5.46	5.56	5.65	5.80	5.79	5.77	5.81	5.81	5.79	5.89	5.85	5.85	5.87	5.85	5.80	5.74	5.70
3.15	2.99	2.87	2.76	2.60	2.46	2.31	2.18	2.05	1.96	1.85	1.74	1.63	1.53	1.44	1.35	1.27
14.13	13.79	13.43	13.06	12.63	12.25	11.94	11.63	11.31	10.91	10.64	10.40	10.27	10.12	9.95	9.67	9.51
17.64	16.26	14.65	13.49	12.08	10.80	9.43	8.23	7.19	6.12	5.32	4.45	4.05	3.78	3.61	2.99	2.69
1.17	1.14	1.09	1.17	1.12	1.07	1.03	0.98	0.94	1.04	1.01	0.98	0.97	0.96	0.96	0.94	0.93
10.71	10.70	10.74	12.67	12.64	12.68	12.79	12.85	12.86	14.80	14.80	14.82	14.84	14.81	14.74	14.67	14.65
9.48	9.64	9.83	9.91	9.98	10.05	10.15	10.22	10.27	10.30	10.36	10.47	10.61	10.73	10.84	10.95	11.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.92	0.94	0.95	0.96	0.97	0.98	1.96	1.97	1.97	1.98	1.98	1.99	1.98	1.97

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**49.29**	**49.23**	**49.60**	**52.60**	**52.32**	**52.01**	**53.43**	**54.00**	**53.42**	**51.75**	**49.82**	**48.57**	**47.98**	**48.99**
Aviation Fuel	5.94	5.93	5.36	7.29	7.91	7.92	7.94	7.96	7.97	7.98	8.00	8.02	8.03	8.05
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.06	0.08
Diesel	22.80	22.75	23.35	24.06	24.37	24.76	25.08	25.44	25.36	24.67	23.70	23.05	22.83	23.49
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.31	0.39	0.49
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.11	0.10	0.11	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09
Motor Gasoline	20.42	20.43	20.88	21.16	19.97	19.75	20.32	20.51	20.00	19.00	17.78	17.06	16.59	16.79
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	137.12	140.09	166.57	165.32	154.38	152.39	155.68	162.80	161.02	154.05	144.94	139.35	137.33	144.07
Total Electric and Steam Energy Demand for Generation	165.15	163.75	175.64	165.70	161.75	174.12	176.19	179.63	178.78	175.97	171.50	168.78	164.10	166.65
Less Electricity and Steam Secondary Demand	36.03	35.83	36.32	36.78	35.92	36.17	36.97	38.25	37.80	36.38	34.46	33.27	32.78	34.01
Total Primary Demand	**266.24**	**268.01**	**305.88**	**294.25**	**280.21**	**290.34**	**294.90**	**304.18**	**302.01**	**293.64**	**281.97**	**274.86**	**268.64**	**276.72**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	6.48	6.98	28.04	21.42	18.47	19.93	20.65	25.74	25.39	21.83	17.32	14.77	14.25	18.23
RPP	92.46	108.09	113.87	113.90	104.36	112.28	115.75	119.27	117.34	112.20	105.18	100.80	95.10	98.39
Coal, Coke and Coke Oven Gas	4.57	3.47	3.48	4.14	3.73	3.47	3.61	3.60	3.69	3.76	3.68	3.55	3.40	3.28
Hydro	154.23	141.20	150.66	144.94	144.31	145.20	145.38	145.63	145.43	145.38	144.82	144.36	144.05	144.31
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	8.51	8.27	9.83	9.85	9.35	9.47	9.50	9.95	10.16	10.47	10.96	11.38	11.85	12.52

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**11.36**	**11.43**	**12.27**	**11.90**	**10.96**	**10.91**	**10.50**	**10.65**	**10.49**	**10.13**	**9.83**	**9.59**	**9.42**	**9.35**
Residential (PJ/Personal Income)	1.95	1.98	2.09	2.01	1.87	1.96	1.92	1.89	1.86	1.83	1.80	1.77	1.73	1.69
Commercial (PJ/GO)	0.91	0.96	1.01	1.08	1.05	1.03	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86
Industrial (PJ/GO)	7.02	6.65	8.63	8.66	6.86	6.50	6.47	6.71	6.60	6.30	5.70	5.39	5.27	5.57
Transportation (PJ/GDP)	4.08	4.02	3.65	3.70	3.71	3.72	3.60	3.53	3.48	3.40	3.38	3.34	3.29	3.18

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
49.26	**48.85**	**48.37**	**47.79**	**47.30**	**46.85**	**46.39**	**46.12**	**45.87**	**45.60**	**45.38**	**45.09**	**45.06**	**45.01**	**44.98**	**44.86**	**45.03**
8.06	8.08	8.10	8.11	8.13	8.15	8.16	8.18	8.19	8.21	8.23	8.24	8.26	8.28	8.29	8.31	8.33
0.09	0.11	0.11	0.13	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.35
23.79	23.55	23.30	22.99	22.74	22.56	22.42	22.34	22.28	22.27	22.26	22.22	22.28	22.33	22.40	22.41	22.50
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.57	0.66	0.71	0.78	0.84	0.88	0.91	0.94	0.97	0.99	1.00	1.02	1.04	1.07	1.08	1.10	1.11
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10
16.64	16.37	16.05	15.68	15.36	15.02	14.65	14.40	14.16	13.86	13.62	13.34	13.20	13.05	12.91	12.75	12.64
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
146.18	144.03	141.37	141.77	138.74	135.93	133.27	131.08	128.95	129.79	128.02	126.16	125.39	124.57	123.77	122.27	121.66
167.32	210.67	209.96	208.89	207.70	206.43	205.05	204.20	203.35	202.31	201.59	200.96	200.68	199.95	199.65	199.20	198.95
34.24	33.88	33.31	33.52	32.76	32.00	31.33	30.78	30.20	30.49	29.97	29.46	29.15	28.80	28.43	27.91	27.54
279.25	**320.82**	**318.03**	**317.15**	**313.68**	**310.36**	**306.99**	**304.51**	**302.10**	**301.61**	**299.64**	**297.66**	**296.92**	**295.72**	**294.98**	**293.56**	**293.07**
19.78	18.39	16.77	15.60	14.18	12.88	15.17	13.28	11.54	9.69	8.37	7.22	6.69	5.77	5.57	4.91	4.58
99.05	98.05	96.67	96.80	94.88	93.08	87.59	87.11	86.58	88.03	87.58	87.05	86.94	86.42	86.24	85.93	85.90
3.15	2.99	2.87	2.76	2.60	2.46	2.31	2.18	2.05	1.96	1.85	1.74	1.63	1.53	1.44	1.35	1.27
144.23	187.78	187.61	187.34	187.00	186.62	186.25	185.90	185.57	185.16	184.79	184.28	183.91	183.93	183.40	182.76	182.25
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	13.61	14.11	14.66	15.01	15.32	15.68	16.03	16.35	16.76	17.05	17.37	17.74	18.07	18.35	18.61	19.06

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
9.26	**8.99**	**8.86**	**8.83**	**8.68**	**8.53**	**8.37**	**8.24**	**8.10**	**8.12**	**7.87**	**7.83**	**7.72**	**7.62**	**7.52**	**7.42**	**7.35**
1.65	1.61	1.58	1.54	1.50	1.47	1.43	1.41	1.38	1.35	1.32	1.29	1.26	1.22	1.19	1.16	1.13
0.85	0.83	0.82	0.80	0.79	0.78	0.77	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.70	0.69
5.64	5.45	5.26	5.27	5.11	4.94	4.75	4.58	4.42	4.42	4.29	4.15	4.04	3.96	3.88	3.76	3.67
3.12	3.05	3.03	2.98	2.96	2.94	2.91	2.90	2.88	2.86	2.83	2.80	2.78	2.75	2.73	2.72	2.71

Table A2.21: Demand, Triple E, Northwest Territories

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	90.90	73.47	57.39	59.29	83.18	85.49	89.80	106.50	114.37	113.31	113.27	112.48	116.88	114.23
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	11.73	14.53	14.41	15.07	14.09	13.17	12.33
Light Fuel Oil	15.90	15.80	14.90	17.19	17.14	20.56	21.48	20.61	20.40	20.23	21.26	20.14	19.08	18.10
Commercial														
Electricity	83.43	67.70	52.36	49.59	67.58	68.65	72.14	86.15	92.73	91.83	91.80	91.16	94.87	92.68
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	10.52	13.34	13.23	13.91	12.94	12.03	11.20
Light Fuel Oil	15.90	15.80	14.90	17.19	17.41	20.81	21.71	20.83	20.62	20.45	21.48	20.35	19.29	18.31
Industrial														
Electricity	38.74	37.74	36.22	34.69	32.18	33.53	35.48	41.58	44.56	44.16	44.14	43.83	45.47	44.44
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	9.75	12.58	12.47	13.15	12.19	11.29	10.47
Heavy Fuel Oil	10.56	10.49	9.89	11.41	11.48	15.29	16.60	15.93	15.77	15.64	16.71	15.63	14.62	13.69
Transportation														
Gasoline	33.21	33.33	33.53	33.53	33.53	35.82	35.60	34.15	33.81	33.53	34.35	33.10	31.90	30.78
Diesel	25.90	26.03	25.74	25.34	25.34	28.20	28.55	27.38	27.12	26.89	27.81	26.63	25.50	24.45

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**17.95**	**24.06**	**19.38**	**17.34**	**17.02**	**16.29**	**16.06**	**16.03**	**16.20**	**16.20**	**16.08**	**15.84**	**15.87**	**16.14**
RPP[1,2]	11.50	14.95	11.31	10.15	10.11	10.32	10.58	10.73	11.10	11.26	11.26	11.14	10.81	10.93
Electric	1.88	1.90	1.96	2.21	2.28	2.25	2.32	2.32	2.31	2.31	2.29	2.28	2.33	2.35
Natural Gas	4.42	7.05	5.96	4.82	4.46	3.56	2.99	2.78	2.56	2.40	2.24	2.13	2.42	2.52
Biofuels & Emerging Energy[3]	0.14	0.16	0.15	0.16	0.16	0.16	0.17	0.20	0.22	0.23	0.27	0.28	0.30	0.32
Other[4]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Residential Sector	**2.14**	**2.10**	**2.08**	**1.88**	**1.91**	**1.91**	**2.01**	**2.08**	**2.15**	**2.16**	**2.16**	**2.15**	**2.13**	**2.13**
Biomass	0.14	0.16	0.15	0.16	0.16	0.16	0.17	0.18	0.19	0.20	0.20	0.20	0.20	0.20
Electricity	0.38	0.37	0.40	0.40	0.41	0.41	0.43	0.44	0.45	0.45	0.45	0.44	0.44	0.43
Natural Gas	0.16	0.15	0.14	0.17	0.18	0.17	0.17	0.17	0.16	0.15	0.14	0.14	0.13	0.12
RPP	1.47	1.41	1.40	1.16	1.17	1.17	1.24	1.29	1.34	1.35	1.35	1.35	1.34	1.34
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**3.21**	**3.28**	**2.84**	**3.39**	**3.19**	**3.31**	**3.33**	**3.36**	**3.37**	**3.39**	**3.36**	**3.36**	**3.37**	**3.39**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Electricity	0.60	0.62	0.63	0.65	0.66	0.71	0.72	0.73	0.73	0.73	0.73	0.73	0.72	0.71
Natural Gas	1.18	1.71	1.19	1.65	1.00	1.14	1.15	1.14	1.12	1.11	1.09	1.08	1.05	1.04
RPP	1.43	0.95	1.01	1.10	1.52	1.45	1.46	1.48	1.50	1.52	1.52	1.54	1.55	1.58
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.03
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Industrial Sector	**4.82**	**7.70**	**7.17**	**5.52**	**5.20**	**4.27**	**3.71**	**3.45**	**3.22**	**3.06**	**2.92**	**2.79**	**3.20**	**3.37**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.91	0.91	0.94	1.17	1.21	1.13	1.17	1.15	1.13	1.13	1.12	1.11	1.18	1.20
Natural Gas	3.08	5.19	4.62	3.01	3.28	2.24	1.67	1.47	1.28	1.14	1.02	0.91	1.23	1.36
LPG & Petroleum Feedstocks	0.11	0.12	0.15	0.14	0.13	0.15	0.16	0.15	0.15	0.15	0.15	0.15	0.16	0.17
RPP	0.72	1.49	1.46	1.20	0.58	0.74	0.71	0.68	0.66	0.65	0.63	0.62	0.63	0.64
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
111.19	108.49	105.68	106.52	104.64	103.29	102.15	100.91	103.40	104.78	106.35	107.84	109.40	114.15	115.76	117.51	119.35
11.55	11.38	10.75	10.17	9.64	9.16	9.26	9.23	9.21	9.18	9.16	9.66	9.63	9.61	9.58	9.56	9.53
17.20	17.20	16.47	15.80	15.18	14.64	14.95	14.91	14.86	14.82	14.78	15.55	15.51	15.46	15.42	15.38	15.34
90.16	87.92	85.59	86.32	84.78	83.68	82.75	81.73	83.85	85.03	86.38	87.65	88.99	93.00	94.38	95.87	97.43
10.43	10.27	9.65	9.08	8.56	8.09	8.19	8.17	8.14	8.12	8.10	8.61	8.58	8.56	8.54	8.52	8.50
17.41	17.40	16.67	16.00	15.38	14.83	15.15	15.10	15.06	15.02	14.97	15.74	15.70	15.66	15.61	15.57	15.53
43.27	42.23	41.15	41.45	40.72	40.19	39.74	39.25	40.17	40.68	41.25	41.79	42.37	44.14	44.74	45.38	46.06
9.71	9.56	8.94	8.37	7.86	7.39	7.50	7.48	7.46	7.44	7.42	7.93	7.91	7.89	7.87	7.85	7.83
12.84	12.87	12.18	11.54	10.96	10.44	10.78	10.74	10.72	10.69	10.66	11.44	11.42	11.39	11.36	11.34	11.31
29.74	29.55	28.72	27.95	27.25	26.63	26.83	26.74	26.66	26.57	26.48	27.15	27.07	26.98	26.90	26.82	26.74
23.47	23.38	22.60	21.88	21.22	20.64	20.90	20.83	20.76	20.70	20.64	21.35	21.29	21.23	21.17	21.10	21.04

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
16.05	**16.08**	**16.15**	**16.17**	**16.17**	**16.34**	**16.82**	**17.03**	**16.86**	**16.72**	**16.78**	**16.81**	**16.87**	**16.95**	**17.00**	**17.08**	**17.33**
10.92	10.99	11.08	11.14	11.18	11.38	11.85	12.05	11.88	11.77	11.85	11.90	11.96	12.05	12.11	12.21	12.32
2.33	2.32	2.32	2.30	2.28	2.26	2.26	2.26	2.24	2.21	2.20	2.18	2.17	2.16	2.14	2.12	2.11
2.45	2.41	2.38	2.34	2.32	2.30	2.30	2.29	2.27	2.26	2.25	2.24	2.23	2.23	2.23	2.23	2.23
0.33	0.34	0.35	0.37	0.38	0.39	0.40	0.42	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.62
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
2.11	**2.12**	**2.13**	**2.12**	**2.11**	**2.10**	**2.13**	**2.13**	**2.13**	**2.10**	**2.09**	**2.07**	**2.07**	**2.06**	**2.05**	**2.05**	**2.04**
0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
0.42	0.43	0.43	0.42	0.42	0.41	0.42	0.42	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.39
0.12	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05
1.34	1.35	1.36	1.36	1.36	1.36	1.38	1.38	1.38	1.37	1.36	1.36	1.35	1.35	1.35	1.35	1.34
0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.39	**3.42**	**3.48**	**3.52**	**3.56**	**3.61**	**3.70**	**3.77**	**3.81**	**3.85**	**3.91**	**3.96**	**4.01**	**4.07**	**4.13**	**4.18**	**4.24**
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.71	0.71	0.71	0.71	0.70	0.70	0.71	0.71	0.70	0.70	0.69	0.69	0.69	0.69	0.69	0.69	0.69
1.02	1.02	1.02	1.03	1.03	1.04	1.06	1.08	1.08	1.08	1.09	1.10	1.11	1.13	1.14	1.15	1.17
1.61	1.64	1.68	1.72	1.76	1.80	1.86	1.91	1.93	1.96	2.01	2.04	2.09	2.13	2.17	2.21	2.26
0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
3.31	**3.27**	**3.24**	**3.21**	**3.17**	**3.14**	**3.13**	**3.11**	**3.09**	**3.06**	**3.04**	**3.01**	**3.00**	**2.97**	**2.94**	**2.91**	**2.89**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.20	1.19	1.18	1.17	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.09	1.08	1.07	1.06	1.04	1.03
1.31	1.27	1.24	1.22	1.19	1.17	1.15	1.13	1.12	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02
0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15
0.63	0.63	0.64	0.64	0.65	0.65	0.67	0.68	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.69
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**7.78**	**10.98**	**7.29**	**6.55**	**6.71**	**6.80**	**7.01**	**7.14**	**7.46**	**7.58**	**7.64**	**7.53**	**7.16**	**7.25**
Aviation Fuel	1.62	3.02	1.95	1.85	1.98	1.99	2.00	2.02	2.03	2.05	2.06	2.08	2.09	2.11
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	4.75	6.46	4.17	3.45	3.48	3.59	3.72	3.80	4.07	4.18	4.19	4.07	3.71	3.79
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.04	0.05
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Lubricants	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Motor Gasoline	1.38	1.48	1.16	1.22	1.23	1.20	1.26	1.30	1.34	1.35	1.34	1.33	1.30	1.29
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	17.95	24.06	19.38	17.34	17.02	16.29	16.06	16.03	16.20	16.20	16.08	15.84	15.87	16.14
Total Electric and Steam Energy Demand for Generation	2.19	2.42	1.71	1.32	1.37	5.03	5.25	5.27	5.23	5.20	5.17	5.15	5.30	5.37
Less Electricity and Steam Secondary Demand	1.88	1.90	1.96	2.21	2.29	2.26	2.32	2.32	2.31	2.31	2.30	2.28	2.34	2.36
Total Primary Demand	**18.26**	**24.59**	**19.13**	**16.44**	**16.10**	**19.07**	**18.99**	**18.97**	**19.11**	**19.09**	**18.95**	**18.70**	**18.83**	**19.15**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	4.42	7.05	5.96	4.82	4.46	3.81	3.27	3.06	2.85	2.68	2.52	2.40	2.71	2.82
RPP	12.81	16.49	12.19	10.66	10.62	14.06	14.52	14.68	15.01	15.14	15.12	14.99	14.78	14.97
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Hydro	0.89	0.89	0.84	0.81	0.86	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.14	0.16	0.15	0.16	0.16	0.16	0.17	0.20	0.22	0.23	0.27	0.28	0.30	0.33

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**14.67**	**17.57**	**13.67**	**10.87**	**10.08**	**9.49**	**9.03**	**8.74**	**8.42**	**8.12**	**7.90**	**7.72**	**7.59**	**7.54**
Residential (PJ/Personal Income)	2.55	2.36	2.27	2.04	2.01	2.05	2.02	1.98	1.94	1.90	1.86	1.83	1.81	1.77
Commercial (PJ/GO)	1.20	1.16	0.96	1.13	1.03	1.03	1.01	0.99	0.96	0.95	0.93	0.91	0.88	0.87
Industrial (PJ/GO)	3.32	4.34	3.95	3.02	2.70	2.13	1.76	1.59	1.27	1.12	1.02	1.00	1.30	1.35
Transportation (PJ/GDP)	6.36	8.02	5.14	4.11	3.98	3.96	3.94	3.89	3.88	3.81	3.76	3.67	3.43	3.39

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.24	**7.26**	**7.30**	**7.32**	**7.33**	**7.49**	**7.87**	**8.02**	**7.83**	**7.70**	**7.75**	**7.77**	**7.80**	**7.84**	**7.88**	**7.94**	**8.16**
2.12	2.13	2.15	2.16	2.18	2.20	2.21	2.23	2.24	2.26	2.27	2.29	2.30	2.32	2.34	2.35	2.37
0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15
3.77	3.78	3.79	3.79	3.78	3.91	4.24	4.36	4.14	4.01	4.04	4.05	4.05	4.07	4.08	4.12	4.17
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.06	0.06	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.13	0.13
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1.27	1.27	1.27	1.27	1.27	1.27	1.30	1.32	1.32	1.30	1.30	1.30	1.31	1.31	1.32	1.32	1.33
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
16.05	16.08	16.15	16.17	16.17	16.34	16.82	17.03	16.86	16.72	16.78	16.81	16.87	16.95	17.00	17.08	17.33
5.27	5.26	5.26	5.21	5.14	5.07	5.07	5.06	4.99	4.93	4.86	4.83	4.80	4.77	4.68	4.65	4.60
2.34	2.33	2.33	2.32	2.29	2.27	2.27	2.27	2.26	2.24	2.22	2.21	2.20	2.19	2.17	2.15	2.14
18.99	**19.01**	**19.08**	**19.06**	**19.01**	**19.14**	**19.61**	**19.82**	**19.59**	**19.41**	**19.42**	**19.43**	**19.46**	**19.53**	**19.51**	**19.58**	**19.79**
2.74	2.69	2.66	2.62	2.58	2.56	2.55	2.54	2.52	2.50	2.48	2.46	2.46	2.45	2.45	2.44	2.44
14.88	14.94	15.03	15.04	15.01	15.16	15.62	15.82	15.60	15.43	15.45	15.47	15.50	15.56	15.55	15.62	15.69
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.33	0.34	0.35	0.37	0.38	0.39	0.40	0.42	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.62

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.30	**7.26**	**7.12**	**6.98**	**6.87**	**6.77**	**6.69**	**6.58**	**6.36**	**6.24**	**6.13**	**6.02**	**5.90**	**5.79**	**5.70**	**5.61**	**5.58**
1.73	1.71	1.68	1.65	1.61	1.58	1.54	1.51	1.47	1.45	1.42	1.39	1.35	1.32	1.29	1.26	1.23
0.86	0.85	0.84	0.84	0.83	0.83	0.82	0.82	0.79	0.79	0.78	0.78	0.77	0.77	0.76	0.76	0.75
1.30	1.26	1.22	1.18	1.15	1.08	0.95	0.91	0.96	0.98	0.95	0.94	0.92	0.90	0.88	0.86	0.83
3.33	3.28	3.22	3.16	3.11	3.10	3.13	3.10	2.95	2.87	2.83	2.78	2.73	2.68	2.64	2.61	2.63

Table A2.22: Demand, Triple E, Nova Scotia

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	29.49	26.95	29.84	27.54	25.36	23.91	27.43	27.13	27.62	28.19	28.79	28.97	32.16	32.18
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.39	15.19	15.06	15.72	14.73	13.81	12.95
Light Fuel Oil	13.92	13.57	12.96	15.20	15.15	18.71	19.77	18.96	18.78	18.62	19.67	18.56	17.52	16.55
Commercial														
Electricity	22.83	21.58	24.52	24.68	22.74	21.42	25.57	25.38	25.94	26.58	27.28	27.53	31.04	31.12
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.10	12.92	12.81	13.49	12.52	11.62	10.79
Light Fuel Oil	13.92	13.57	12.96	15.20	15.39	18.93	19.97	19.16	18.97	18.81	19.85	18.74	17.70	16.73
Industrial														
Electricity	18.71	19.12	20.81	14.89	18.65	17.55	21.73	21.53	22.06	22.68	23.35	23.61	26.93	27.05
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	8.83	11.66	11.57	12.25	11.30	10.41	9.59
Heavy Fuel Oil	9.71	9.46	9.04	10.61	10.65	14.54	15.91	15.26	15.11	14.99	16.07	14.99	13.99	13.06
Transportation														
Gasoline	29.72	29.40	29.30	29.30	29.30	31.88	31.96	30.66	30.36	30.10	30.95	29.74	28.57	27.49
Diesel	23.71	25.01	22.49	22.52	22.52	25.57	26.12	25.05	24.81	24.60	25.54	24.38	23.27	22.75

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**204.41**	**206.30**	**220.55**	**227.84**	**226.54**	**222.00**	**219.35**	**221.34**	**216.82**	**214.29**	**214.48**	**210.25**	**207.83**	**205.67**
RPP[1,2]	151.09	153.24	161.82	163.90	165.00	158.98	157.48	156.90	153.73	151.68	150.14	145.01	146.62	145.45
Electric	34.83	35.87	35.88	36.70	37.13	37.83	37.75	37.75	37.21	37.01	36.86	36.63	36.29	35.93
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.78	6.92	9.47	8.81	8.40	9.65	7.45	6.48	5.55
Biofuels & Emerging Energy[3]	13.12	13.26	15.74	17.73	16.14	17.39	17.19	17.21	17.06	17.19	17.82	18.15	18.43	18.72
Other[4]	0.47	0.33	0.24	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Residential Sector	**40.74**	**42.25**	**42.02**	**42.95**	**34.92**	**42.03**	**42.35**	**43.14**	**42.85**	**42.47**	**42.33**	**42.15**	**41.89**	**41.47**
Biomass	4.71	4.71	4.68	4.67	4.70	5.91	5.97	6.05	6.02	5.97	5.98	5.93	5.91	5.86
Electricity	13.31	14.30	14.78	14.46	14.81	16.53	16.70	16.90	16.76	16.59	16.51	16.43	16.33	16.15
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.32	0.38	0.44	0.56	0.65	0.76
RPP	22.33	22.93	22.33	23.81	15.40	19.58	19.67	19.80	19.63	19.38	19.25	19.02	18.75	18.41
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.13	0.15	0.17	0.21	0.24	0.28
Other	0.39	0.32	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**24.23**	**26.49**	**26.12**	**31.34**	**39.97**	**32.11**	**31.77**	**31.65**	**30.86**	**30.53**	**30.13**	**29.84**	**29.59**	**29.45**
Biomass	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	11.11	11.50	11.78	12.19	11.98	11.59	11.53	11.46	11.18	11.05	10.90	10.77	10.59	10.44
Natural Gas	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.16	0.20	0.23	0.26	0.30	0.33
RPP	13.10	14.99	14.34	19.15	28.00	20.52	20.24	19.98	19.43	19.17	18.87	18.66	18.53	18.48
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.09	0.11	0.13	0.15	0.17	0.19
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**58.78**	**59.74**	**72.60**	**71.34**	**64.89**	**61.24**	**59.13**	**60.64**	**59.15**	**59.03**	**60.48**	**58.05**	**56.84**	**56.03**
Biomass	8.41	8.56	11.06	13.06	11.44	11.48	11.22	10.98	10.82	10.96	11.06	11.11	11.15	11.23
Coal, Coke & Coke Oven Gas	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Electricity	10.33	10.07	9.31	10.03	10.32	9.69	9.49	9.36	9.25	9.35	9.43	9.40	9.34	9.31
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.78	6.92	9.05	8.33	7.82	8.98	6.63	5.53	4.45
LPG & Petroleum Feedstocks	6.34	7.96	13.43	4.14	3.87	3.70	3.77	3.81	3.79	3.91	4.01	4.11	4.18	4.26
RPP	18.68	15.92	16.57	17.63	16.41	15.37	14.74	14.46	14.14	14.07	14.02	13.80	13.61	13.53
Still Gas & Petroleum Coke	10.04	13.64	15.36	16.97	14.59	13.21	12.97	12.97	12.80	12.92	12.98	12.99	13.02	13.24
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
32.26	32.36	32.37	34.55	34.62	34.80	34.99	35.33	36.93	37.47	38.07	38.74	39.41	41.38	42.10	42.86	43.67
12.17	11.98	11.35	10.77	10.24	9.76	9.85	9.82	9.80	9.77	9.74	10.24	10.21	10.18	10.16	10.13	10.10
15.67	15.68	14.96	14.30	13.70	13.16	13.49	13.45	13.41	13.37	13.33	14.11	14.07	14.03	14.00	13.96	13.93
31.28	31.45	31.52	33.94	34.07	34.31	34.56	34.98	36.76	37.39	38.08	38.85	39.62	41.79	42.58	43.45	44.36
10.03	9.87	9.25	8.69	8.17	7.70	7.81	7.79	7.76	7.74	7.72	8.23	8.21	8.19	8.17	8.15	8.13
15.85	15.86	15.14	14.48	13.88	13.34	13.66	13.62	13.58	13.54	13.50	14.28	14.24	14.20	14.17	14.13	14.09
27.23	27.42	27.52	29.81	29.96	30.22	30.48	30.90	32.59	33.21	33.87	34.61	35.35	37.40	38.18	39.00	39.86
8.85	8.70	8.09	7.53	7.02	6.56	6.67	6.66	6.64	6.62	6.61	7.12	7.10	7.08	7.07	7.05	7.03
12.22	12.26	11.57	10.94	10.36	9.85	10.18	10.16	10.13	10.10	10.08	10.86	10.84	10.81	10.79	10.76	10.74
26.48	26.33	25.52	24.78	24.10	23.50	23.72	23.63	23.56	23.49	23.41	24.09	24.02	23.94	23.87	23.80	23.73
21.30	21.22	20.46	19.76	19.12	18.55	18.82	18.75	18.70	18.64	18.58	19.31	19.25	19.20	19.14	19.09	19.03

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
203.84	**203.59**	**203.77**	**203.17**	**202.36**	**201.82**	**201.08**	**200.61**	**199.82**	**198.83**	**198.11**	**197.41**	**197.64**	**197.54**	**197.18**	**196.95**	**197.41**
144.40	144.35	144.66	144.43	144.13	144.06	143.94	143.64	143.17	142.64	142.34	141.94	142.22	142.35	142.38	142.52	142.89
35.53	35.41	35.34	35.03	34.63	34.24	33.94	33.61	33.23	32.80	32.41	32.06	31.86	31.58	31.25	30.94	30.69
4.87	4.39	4.08	3.86	3.72	3.62	3.18	3.27	3.35	3.43	3.50	3.56	3.64	3.71	3.77	3.83	3.90
18.94	19.33	19.68	19.85	19.87	19.89	20.01	20.07	20.06	19.95	19.86	19.84	19.91	19.89	19.77	19.65	19.93
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
41.01	**40.90**	**40.65**	**40.30**	**39.87**	**39.38**	**38.82**	**38.28**	**37.74**	**37.18**	**36.59**	**35.96**	**35.56**	**35.13**	**34.71**	**34.31**	**33.95**
5.80	5.78	5.76	5.71	5.64	5.56	5.48	5.39	5.31	5.22	5.13	5.04	4.97	4.91	4.84	4.78	4.72
15.96	15.87	15.81	15.64	15.45	15.23	14.99	14.77	14.55	14.32	14.09	13.85	13.69	13.53	13.36	13.21	13.07
0.85	0.94	1.03	1.11	1.18	1.25	1.31	1.36	1.41	1.46	1.49	1.52	1.57	1.61	1.65	1.69	1.72
18.08	17.88	17.70	17.46	17.20	16.92	16.60	16.31	16.01	15.71	15.41	15.07	14.84	14.60	14.36	14.14	13.93
0.31	0.33	0.36	0.38	0.40	0.42	0.44	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.50	0.50	0.50
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.29	**29.36**	**29.47**	**29.50**	**29.57**	**29.66**	**29.77**	**29.83**	**29.86**	**29.86**	**29.89**	**29.86**	**29.90**	**29.91**	**29.90**	**29.91**	**29.95**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.28	10.20	10.12	10.01	9.90	9.79	9.71	9.61	9.51	9.40	9.31	9.22	9.15	9.07	8.98	8.91	8.85
0.36	0.40	0.43	0.46	0.49	0.52	0.54	0.56	0.58	0.60	0.62	0.63	0.65	0.66	0.67	0.68	0.69
18.45	18.54	18.68	18.78	18.91	19.07	19.23	19.35	19.45	19.53	19.63	19.67	19.76	19.83	19.89	19.96	20.04
0.20	0.22	0.24	0.25	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.91	**55.24**	**55.49**	**55.33**	**55.08**	**54.99**	**54.92**	**55.20**	**55.26**	**55.17**	**55.28**	**55.61**	**56.18**	**56.50**	**56.61**	**56.73**	**57.08**
11.78	11.45	11.63	11.66	11.59	11.53	11.61	11.64	11.61	11.57	11.44	11.46	11.52	11.50	11.40	11.30	11.27
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9.27	9.32	9.40	9.36	9.27	9.20	9.22	9.21	9.16	9.06	8.99	8.98	9.01	8.97	8.88	8.80	8.75
3.65	3.06	2.62	2.29	2.06	1.85	1.33	1.34	1.36	1.37	1.38	1.40	1.42	1.44	1.45	1.46	1.48
4.33	4.44	4.61	4.73	4.83	4.94	5.06	5.20	5.30	5.37	5.46	5.59	5.72	5.82	5.90	5.96	6.03
13.45	13.50	13.58	13.57	13.57	13.62	13.70	13.75	13.74	13.73	13.80	13.88	14.04	14.17	14.26	14.36	14.52
13.32	13.46	13.64	13.71	13.77	13.85	13.97	14.04	14.08	14.11	14.18	14.29	14.45	14.59	14.71	14.84	15.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**80.60**	**77.82**	**79.81**	**82.21**	**86.76**	**86.62**	**86.10**	**85.91**	**83.96**	**82.25**	**81.55**	**80.20**	**79.51**	**78.72**
Aviation Fuel	6.90	6.23	6.37	7.09	9.66	9.70	9.75	9.80	9.85	9.90	9.95	10.00	10.05	10.10
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.07	0.09
Diesel	27.80	27.10	28.23	29.10	30.82	31.15	30.98	30.85	30.32	29.82	29.69	28.90	28.56	28.14
Electric	0.00	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.69	0.88	1.08
Heavy Fuel Oil	2.91	2.25	2.30	2.30	2.35	2.38	2.41	2.44	2.47	2.50	2.54	2.57	2.60	2.63
LPG	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03
Lubricants	0.32	0.28	0.29	0.25	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28
Motor Gasoline	42.60	41.86	42.53	43.38	43.60	43.05	42.67	42.38	40.98	39.70	38.53	37.66	37.01	36.35
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	204.41	206.30	220.55	227.84	226.54	222.00	219.35	221.34	216.82	214.29	214.48	210.25	207.83	205.67
Total Electric and Steam Energy Demand for Generation	117.69	89.01	80.98	95.23	100.40	94.23	96.46	96.08	99.00	94.37	91.31	90.21	88.81	87.54
Less Electricity and Steam Secondary Demand	34.83	35.87	35.88	36.70	37.13	37.83	37.75	37.75	37.21	37.01	36.86	36.63	36.29	35.93
Total Primary Demand	**287.26**	**259.43**	**265.64**	**286.36**	**289.81**	**278.40**	**278.06**	**279.67**	**278.61**	**271.64**	**268.93**	**263.83**	**260.36**	**257.28**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	4.95	3.58	6.86	9.40	8.26	7.80	6.94	9.48	8.83	8.42	9.66	7.47	6.50	5.57
RPP	167.32	164.34	165.34	181.72	183.83	194.06	193.40	192.64	185.36	181.30	184.04	181.53	164.12	162.20
Coal, Coke and Coke Oven Gas	98.54	75.57	73.87	73.37	78.25	50.99	52.37	51.55	58.25	56.00	47.07	45.72	59.77	58.58
Hydro	3.33	2.56	3.72	3.92	3.23	3.38	3.38	3.38	3.38	3.38	3.25	3.38	3.38	3.38
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	13.12	13.38	15.86	17.85	16.25	22.17	21.97	22.61	22.78	23.53	24.78	25.73	26.64	27.55

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.09**	**8.87**	**9.12**	**9.37**	**9.02**	**8.74**	**8.45**	**8.36**	**8.17**	**7.96**	**7.82**	**7.57**	**7.38**	**7.20**
Residential (PJ/Personal Income)	1.94	1.98	1.97	2.03	1.63	1.93	1.90	1.87	1.85	1.82	1.79	1.75	1.70	1.65
Commercial (PJ/GO)	0.87	0.93	0.89	1.06	1.30	1.02	0.99	0.96	0.94	0.91	0.89	0.87	0.85	0.83
Industrial (PJ/GO)	4.36	4.08	4.73	4.64	4.17	3.95	3.77	3.80	3.67	3.58	3.56	3.36	3.23	3.12
Transportation (PJ/GDP)	3.58	3.35	3.30	3.35	3.45	3.41	3.32	3.25	3.17	3.06	2.98	2.89	2.82	2.76

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
78.22	**78.10**	**78.16**	**78.03**	**77.85**	**77.78**	**77.57**	**77.29**	**76.96**	**76.63**	**76.36**	**75.97**	**76.01**	**76.00**	**75.97**	**76.00**	**76.44**
10.15	10.20	10.25	10.30	10.35	10.41	10.46	10.51	10.56	10.61	10.67	10.72	10.77	10.83	10.88	10.94	10.99
0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.57
27.94	27.94	27.97	27.89	27.80	27.76	27.72	27.63	27.51	27.40	27.39	27.39	27.51	27.62	27.71	27.83	28.00
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
1.24	1.40	1.56	1.69	1.81	1.92	2.01	2.09	2.16	2.22	2.27	2.30	2.36	2.40	2.44	2.47	2.50
2.67	2.70	2.73	2.77	2.80	2.84	2.87	2.91	2.94	2.98	3.02	3.06	3.09	3.13	3.17	3.21	3.25
0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36
35.79	35.41	35.18	34.89	34.58	34.35	33.98	33.61	33.23	32.85	32.44	31.92	31.67	31.41	31.15	30.93	30.74
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
203.84	203.51	203.77	203.17	202.36	201.82	201.08	200.61	199.82	198.83	198.11	197.41	197.64	197.54	197.18	196.95	197.41
86.94	82.12	83.45	79.08	77.05	70.62	66.24	65.38	64.52	63.09	62.21	61.39	60.81	60.07	59.43	58.67	58.10
35.53	35.41	35.34	35.03	34.63	34.24	33.94	33.61	33.23	32.80	32.41	32.06	31.86	31.58	31.25	30.94	30.69
255.25	**250.21**	**251.88**	**247.22**	**244.79**	**238.20**	**233.38**	**232.37**	**231.11**	**229.12**	**227.91**	**226.74**	**226.59**	**226.03**	**225.37**	**224.69**	**224.83**
4.89	8.85	11.46	20.04	19.56	40.75	40.13	39.97	39.82	46.35	45.51	44.77	44.48	43.55	42.72	41.66	40.68
161.30	147.50	150.28	147.66	146.18	144.67	144.35	144.03	143.55	142.88	142.57	142.17	142.43	142.56	142.59	142.73	143.10
57.30	61.05	56.36	45.03	43.95	17.15	12.69	11.57	10.49	2.27	1.79	1.30	0.63	0.37	0.16	0.05	0.01
3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.39	29.43	30.39	31.12	31.72	32.24	32.83	33.42	33.87	34.24	34.67	35.11	35.67	36.16	36.51	36.87	37.66

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.04	**6.89**	**6.76**	**6.65**	**6.53**	**6.43**	**6.31**	**6.22**	**6.13**	**6.04**	**5.95**	**5.85**	**5.77**	**5.70**	**5.62**	**5.55**	**5.49**
1.61	1.57	1.52	1.48	1.45	1.41	1.37	1.34	1.30	1.27	1.24	1.21	1.17	1.14	1.11	1.08	1.05
0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.74	0.73	0.72	0.71	0.71	0.70	0.69	0.69	0.68
3.03	2.95	2.88	2.83	2.78	2.73	2.67	2.64	2.61	2.58	2.55	2.51	2.47	2.44	2.40	2.37	2.34
2.70	2.64	2.59	2.55	2.51	2.48	2.43	2.40	2.36	2.33	2.29	2.25	2.22	2.19	2.17	2.14	2.12

Table A2.23: Demand, Triple E, Nunavut

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	90.90	73.47	57.39	59.29	83.18	62.91	58.80	67.01	81.40	81.54	86.18	80.19	74.58	69.39
Natural Gas	8.77	8.80	8.30	8.60	8.60	9.57	10.62	11.53	14.34	14.22	14.89	13.91	12.99	12.15
Light Fuel Oil	15.90	15.80	14.90	17.19	17.14	20.56	21.48	20.61	20.40	20.23	21.26	20.14	19.08	18.10
Commercial														
Electricity	83.43	67.70	52.36	49.59	67.58	62.91	58.80	67.01	81.40	81.54	86.18	80.19	74.58	69.39
Natural Gas	7.10	7.30	6.87	7.18	7.18	8.24	9.39	10.36	13.18	13.07	13.74	12.78	11.87	11.04
Light Fuel Oil	15.90	15.80	14.90	17.19	17.41	20.81	21.71	20.83	20.62	20.45	21.48	20.35	19.29	18.31
Industrial														
Electricity	38.74	37.74	36.22	34.69	32.18	29.96	28.00	31.91	38.76	38.83	41.03	38.18	35.51	33.04
Natural Gas	4.88	6.32	5.85	6.33	6.33	7.45	8.66	9.66	12.48	12.38	13.06	12.10	11.20	10.38
Heavy Fuel Oil	10.56	10.49	9.89	11.41	11.48	15.29	16.60	15.93	15.77	15.64	16.71	15.63	14.62	13.69
Transportation														
Gasoline	33.21	33.33	33.53	33.53	33.53	35.82	35.60	34.15	33.81	33.53	34.35	33.10	31.90	30.78
Diesel	25.90	26.03	25.74	25.34	25.34	28.20	28.55	27.38	27.12	26.89	27.81	26.63	25.50	24.45

Section 2: Secondary Demand (petajoules)
(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**3.62**	**5.27**	**4.92**	**5.22**	**5.34**	**5.71**	**5.94**	**6.08**	**6.46**	**6.62**	**6.66**	**6.54**	**6.11**	**6.22**
RPP[1,2]	2.86	4.33	4.22	4.72	4.82	4.90	5.06	5.15	5.48	5.61	5.63	5.49	5.06	5.14
Electric	0.75	0.91	0.69	0.48	0.50	0.76	0.82	0.86	0.90	0.93	0.94	0.94	0.94	0.96
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy[3]	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.12
Other[4]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**0.26**	**0.31**	**0.28**	**0.24**	**0.23**	**0.41**	**0.47**	**0.52**	**0.58**	**0.61**	**0.63**	**0.64**	**0.64**	**0.67**
Biomass	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.08	0.09	0.09	0.10	0.10	0.10
Electricity	0.17	0.23	0.17	0.18	0.21	0.37	0.41	0.45	0.50	0.52	0.53	0.54	0.54	0.56
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.08	0.06	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**0.35**	**0.45**	**0.37**	**0.42**	**0.47**	**0.44**	**0.45**	**0.46**	**0.46**	**0.47**	**0.46**	**0.46**	**0.46**	**0.46**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.25	0.36	0.28	0.29	0.29	0.31	0.31	0.32	0.32	0.32	0.31	0.31	0.31	0.31
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.10	0.09	0.09	0.13	0.18	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.16
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**0.34**	**0.35**	**0.26**	**0.02**	**0.01**	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.33	0.33	0.24	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG & Petroleum Feedstocks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
64.51	63.17	59.17	55.51	52.13	49.07	49.40	49.70	50.03	50.35	50.66	54.15	54.50	54.89	55.23	55.57	55.96
11.37	11.20	10.57	9.99	9.47	8.99	9.09	9.06	9.04	9.01	8.99	9.49	9.46	9.44	9.42	9.39	9.37
17.20	17.20	16.47	15.80	15.18	14.64	14.95	14.91	14.86	14.82	14.78	15.55	15.51	15.46	15.42	15.38	15.34
64.51	63.17	59.17	55.51	52.13	49.07	49.40	49.70	50.03	50.35	50.66	54.15	54.50	54.89	55.23	55.57	55.96
10.28	10.12	9.50	8.93	8.41	7.94	8.04	8.02	8.00	7.98	7.95	8.46	8.44	8.42	8.40	8.38	8.36
17.41	17.40	16.67	16.00	15.38	14.83	15.15	15.10	15.06	15.02	14.97	15.74	15.70	15.66	15.61	15.57	15.53
30.72	30.08	28.17	26.43	24.82	23.37	23.52	23.67	23.82	23.97	24.12	25.78	25.95	26.14	26.30	26.46	26.64
9.62	9.47	8.85	8.29	7.77	7.31	7.41	7.39	7.37	7.35	7.33	7.84	7.82	7.80	7.79	7.77	7.75
12.84	12.87	12.18	11.54	10.96	10.44	10.78	10.74	10.72	10.69	10.66	11.44	11.42	11.39	11.36	11.34	11.31
29.74	29.55	28.72	27.95	27.25	26.63	26.83	26.74	26.66	26.57	26.48	27.15	27.07	26.98	26.90	26.82	26.74
23.47	23.38	22.60	21.88	21.22	20.64	20.90	20.83	20.76	20.70	20.64	21.35	21.29	21.23	21.17	21.10	21.04

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.23	**6.26**	**6.31**	**6.34**	**6.36**	**6.54**	**6.98**	**7.15**	**6.91**	**6.76**	**6.82**	**6.84**	**6.86**	**6.90**	**6.94**	**7.00**	**7.22**
5.14	5.15	5.17	5.17	5.17	5.33	5.72	5.86	5.61	5.46	5.50	5.51	5.52	5.55	5.57	5.63	5.70
0.97	0.98	1.00	1.03	1.04	1.06	1.10	1.12	1.13	1.14	1.14	1.15	1.16	1.17	1.18	1.18	1.19
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.12	0.13	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.34
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.69	**0.70**	**0.72**	**0.74**	**0.76**	**0.79**	**0.82**	**0.84**	**0.86**	**0.86**	**0.87**	**0.88**	**0.89**	**0.91**	**0.91**	**0.92**	**0.93**
0.11	0.11	0.12	0.12	0.12	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16
0.58	0.58	0.60	0.62	0.63	0.65	0.68	0.70	0.72	0.72	0.73	0.73	0.74	0.75	0.76	0.76	0.77
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.47	**0.47**	**0.48**	**0.49**	**0.49**	**0.50**	**0.52**	**0.53**	**0.53**	**0.53**	**0.54**	**0.54**	**0.55**	**0.56**	**0.56**	**0.57**	**0.58**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.31	0.31	0.31	0.32	0.32	0.32	0.33	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	**0.10**	**0.10**	**0.10**	**0.10**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**2.67**	**4.16**	**4.02**	**4.55**	**4.63**	**4.75**	**4.90**	**4.99**	**5.32**	**5.44**	**5.47**	**5.33**	**4.91**	**4.99**
Aviation Fuel	0.55	0.62	0.59	0.66	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diesel	1.83	3.25	3.18	3.61	3.60	3.72	3.85	3.92	4.23	4.35	4.36	4.22	3.79	3.86
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Gasoline	0.29	0.29	0.24	0.28	0.29	0.28	0.30	0.31	0.32	0.33	0.33	0.32	0.32	0.32
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	3.62	5.27	4.92	5.22	5.34	5.71	5.94	6.08	6.46	6.62	6.66	6.54	6.11	6.22
Total Electric and Steam Energy Demand for Generation	0.62	0.49	0.75	0.00	0.00	1.98	2.15	2.23	2.35	2.37	2.34	2.33	2.24	2.22
Less Electricity and Steam Secondary Demand	0.75	0.91	0.69	0.48	0.50	0.76	0.82	0.86	0.90	0.93	0.94	0.94	0.94	0.96
Total Primary Demand	**3.49**	**4.84**	**4.98**	**4.74**	**4.83**	**6.93**	**7.27**	**7.45**	**7.91**	**8.07**	**8.07**	**7.92**	**7.41**	**7.48**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP[1]	3.48	4.81	4.96	4.72	4.82	6.88	7.21	7.38	7.83	7.94	7.87	7.65	7.07	7.05
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.08	0.12	0.20	0.28	0.35	0.42

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**2.76**	**3.50**	**3.24**	**3.05**	**2.95**	**3.10**	**3.11**	**3.09**	**3.13**	**3.10**	**3.06**	**2.97**	**2.73**	**2.71**
Residential (PJ/Personal Income)	0.29	0.33	0.29	0.24	0.23	0.42	0.44	0.46	0.49	0.50	0.51	0.51	0.51	0.52
Commercial (PJ/GO)	0.35	0.43	0.34	0.38	0.41	0.38	0.38	0.37	0.36	0.36	0.35	0.35	0.34	0.34
Industrial (PJ/GO)	0.81	0.67	0.48	0.03	0.02	0.16	0.17	0.15	0.13	0.12	0.11	0.11	0.13	0.13
Transportation (PJ/GDP)	2.04	2.83	2.64	2.66	2.56	2.58	2.57	2.54	2.58	2.55	2.51	2.43	2.19	2.17

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4.98	**4.99**	**5.01**	**5.01**	**5.00**	**5.16**	**5.55**	**5.68**	**5.43**	**5.28**	**5.32**	**5.33**	**5.33**	**5.36**	**5.38**	**5.43**	**5.64**
0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.87	0.87	0.88	0.89	0.89	0.90	0.91
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
3.85	3.85	3.85	3.84	3.83	3.97	4.34	4.46	4.20	4.04	4.07	4.07	4.06	4.07	4.08	4.12	4.17
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.32	0.32	0.33	0.33	0.33	0.34	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.23	6.26	6.31	6.34	6.36	6.54	6.98	7.15	6.91	6.76	6.82	6.84	6.86	6.90	6.94	7.00	7.22
2.19	2.11	2.13	2.19	2.20	2.23	2.29	2.32	2.34	2.35	2.39	2.37	2.38	2.43	2.44	2.43	2.44
0.97	0.98	1.00	1.03	1.04	1.06	1.10	1.12	1.13	1.14	1.14	1.15	1.16	1.17	1.18	1.18	1.19
7.45	**7.38**	**7.43**	**7.50**	**7.52**	**7.71**	**8.17**	**8.35**	**8.12**	**7.98**	**8.06**	**8.06**	**8.08**	**8.17**	**8.20**	**8.25**	**8.47**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.95	6.81	6.82	6.89	6.86	7.02	7.44	7.59	7.36	7.22	7.30	7.27	7.29	7.37	7.40	7.43	7.50
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	0.57	0.61	0.62	0.65	0.69	0.73	0.75	0.76	0.76	0.76	0.78	0.79	0.80	0.80	0.83	0.97

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2.68	**2.64**	**2.60**	**2.55**	**2.52**	**2.53**	**2.59**	**2.58**	**2.43**	**2.36**	**2.33**	**2.28**	**2.24**	**2.20**	**2.17**	**2.15**	**2.17**
0.53	0.53	0.53	0.54	0.54	0.55	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.54	0.54	0.53	0.52
0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31
0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.08	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.07
2.14	2.10	2.06	2.02	1.98	2.00	2.06	2.05	1.91	1.84	1.81	1.78	1.74	1.71	1.68	1.67	1.69

Table A2.24: Demand, Triple E, Ontario

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	27.49	26.54	27.39	26.59	26.52	25.14	24.33	25.50	26.65	29.39	31.77	32.04	32.72	31.80
Natural Gas	11.08	11.39	11.95	12.10	12.38	13.08	13.87	14.65	17.43	17.29	17.92	16.91	15.96	15.09
Light Fuel Oil	13.72	14.22	12.68	14.60	14.60	18.20	19.30	18.51	18.33	18.17	19.22	18.12	17.08	16.12
Commercial														
Electricity	24.56	23.70	25.89	24.83	20.92	19.80	19.15	20.09	21.01	23.21	25.12	25.34	25.90	25.16
Natural Gas	8.22	8.74	10.06	10.59	10.81	11.62	12.52	13.35	16.15	16.01	16.66	15.66	14.73	13.86
Light Fuel Oil	13.72	14.22	12.68	14.60	14.85	18.43	19.51	18.71	18.53	18.38	19.42	18.32	17.28	16.32
Industrial														
Electricity	16.89	17.03	19.74	19.83	18.12	17.10	16.55	17.43	18.26	20.27	22.02	22.24	22.75	22.09
Natural Gas	7.33	6.35	9.41	8.54	8.74	9.69	10.73	11.64	14.45	14.33	14.99	14.01	13.09	12.25
Heavy Fuel Oil	9.11	9.44	8.42	9.69	9.84	13.76	15.19	14.57	14.43	14.31	15.39	14.33	13.33	12.41
Transportation														
Gasoline	25.86	26.15	26.11	26.11	26.11	28.91	29.21	28.02	27.75	27.51	28.39	27.20	26.06	25.00
Diesel	21.17	21.85	20.11	20.63	20.63	23.81	24.49	23.49	23.26	23.07	24.03	22.88	21.79	20.78

Section 2: Secondary Demand (petajoules)
(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**2 999.37**	**2 894.73**	**3 057.10**	**3 088.65**	**3 167.43**	**3 236.35**	**3 221.87**	**3 235.60**	**3 200.85**	**3 228.67**	**3 244.82**	**3 262.70**	**3 269.12**	**3 294.68**
RPP[1,2]	1 267.73	1 252.31	1 323.96	1 341.24	1 400.66	1 443.26	1 424.12	1 411.20	1 390.91	1 400.77	1 409.29	1 422.84	1 433.61	1 452.60
Electric	507.19	503.43	522.79	512.87	512.69	530.38	534.80	540.41	538.97	545.29	549.57	553.04	552.76	554.64
Natural Gas	956.01	886.33	941.44	970.09	969.60	983.15	984.22	985.02	969.02	970.95	970.23	970.63	967.69	970.59
Biofuels & Emerging Energy[3]	107.35	99.25	109.47	105.29	129.14	116.44	114.67	140.09	140.29	143.69	147.08	150.59	153.94	158.41
Other[4]	161.09	153.41	159.44	159.16	155.33	163.11	164.06	158.88	161.66	167.98	168.64	165.59	161.12	158.45
Residential Sector	**524.94**	**512.22**	**527.26**	**565.71**	**545.94**	**559.75**	**564.17**	**578.14**	**572.94**	**574.94**	**576.79**	**581.90**	**583.88**	**586.04**
Biomass	17.58	16.20	17.26	18.77	19.00	19.61	19.90	20.50	20.54	20.87	21.27	21.81	22.17	22.49
Electricity	153.71	159.87	158.84	160.52	162.96	165.07	166.51	169.92	168.61	169.16	169.74	171.24	171.59	172.05
Natural Gas	315.34	302.28	316.53	349.21	335.58	346.98	350.56	357.85	354.29	355.44	356.29	359.09	360.30	361.57
RPP	38.32	33.87	34.63	37.22	28.40	28.08	27.19	26.61	25.58	24.89	24.06	23.19	22.31	21.42
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	3.92	4.58	5.43	6.56	7.51	8.51
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**517.42**	**494.39**	**518.71**	**534.34**	**523.69**	**536.43**	**538.45**	**542.20**	**532.43**	**532.42**	**530.35**	**529.30**	**526.72**	**528.19**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	176.71	167.18	191.78	193.84	191.75	203.40	206.66	209.47	208.66	210.43	211.21	211.94	211.67	212.43
Natural Gas	290.99	276.01	273.04	275.72	259.33	259.17	257.46	255.22	245.76	242.21	237.80	234.28	230.49	229.26
RPP	49.42	50.89	53.58	64.45	72.29	73.43	73.90	74.71	74.66	75.89	76.86	78.02	78.97	80.34
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	2.95	3.50	4.10	4.69	5.22	5.79
Other	0.30	0.31	0.31	0.34	0.33	0.43	0.42	0.42	0.41	0.40	0.38	0.37	0.37	0.37
Industrial Sector	**1 117.60**	**1 068.90**	**1 185.03**	**1 134.85**	**1 209.90**	**1 256.88**	**1 255.17**	**1 242.82**	**1 238.96**	**1 268.33**	**1 287.33**	**1 297.14**	**1 300.18**	**1 314.07**
Biomass	89.77	83.05	92.21	86.52	110.14	96.84	94.77	93.14	92.09	93.83	95.40	96.50	97.50	98.85
Coal, Coke & Coke Oven Gas	149.80	141.26	146.23	143.30	137.25	141.76	142.52	137.14	140.05	145.84	146.15	142.76	138.14	135.22
Electricity	175.41	175.07	170.78	157.17	156.63	160.59	160.37	159.78	160.53	164.55	167.50	168.74	168.39	169.05
Natural Gas	348.09	306.58	350.50	343.78	373.32	375.65	374.89	370.67	367.77	372.14	375.02	376.15	375.82	378.68
LPG & Petroleum Feedstocks	164.65	172.08	206.55	176.66	206.65	225.60	228.01	229.84	228.68	237.85	245.85	252.82	258.45	265.66
RPP	97.56	93.21	91.39	97.92	105.60	108.50	107.59	105.76	105.49	108.22	110.52	112.56	114.65	117.85
Still Gas & Petroleum Coke	81.32	85.81	114.48	113.97	102.57	127.01	125.90	125.17	123.17	124.16	124.78	125.17	124.63	125.90
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	10.99	11.85	12.90	15.53	17.76	20.92	21.12	21.32	21.20	21.75	22.10	22.45	22.61	22.87

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
34.54	34.69	34.43	34.63	34.48	34.74	35.23	35.52	36.54	37.47	38.35	39.30	40.29	41.76	42.80	43.85	44.85
14.28	14.08	13.43	12.83	12.28	11.79	11.88	11.84	11.80	11.77	11.73	12.23	12.19	12.16	12.12	12.09	12.05
15.24	15.26	14.54	13.89	13.29	12.75	13.08	13.04	13.01	12.97	12.93	13.71	13.67	13.64	13.60	13.57	13.53
27.37	27.49	27.28	27.45	27.33	27.56	27.95	28.19	29.00	29.76	30.46	31.22	32.03	33.20	34.04	34.89	35.69
13.07	12.88	12.24	11.65	11.11	10.63	10.72	10.68	10.65	10.62	10.59	11.09	11.06	11.03	11.00	10.97	10.94
15.44	15.45	14.73	14.08	13.48	12.94	13.27	13.22	13.19	13.15	13.12	13.89	13.85	13.82	13.78	13.75	13.71
24.12	24.25	24.07	24.24	24.14	24.35	24.72	24.95	25.70	26.40	27.05	27.76	28.50	29.58	30.35	31.13	31.87
11.47	11.30	10.67	10.09	9.57	9.08	9.19	9.16	9.14	9.11	9.08	9.59	9.56	9.54	9.51	9.49	9.46
11.57	11.63	10.94	10.31	9.74	9.23	9.57	9.54	9.52	9.50	9.47	10.26	10.23	10.21	10.19	10.17	10.14
24.02	23.89	23.10	22.38	21.72	21.13	21.36	21.29	21.22	21.16	21.09	21.78	21.71	21.65	21.58	21.52	21.46
19.84	19.78	19.03	18.34	17.71	17.15	17.42	17.36	17.31	17.26	17.21	17.94	17.89	17.84	17.79	17.74	17.69

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 313.92	**3 356.93**	**3 411.15**	**3 443.96**	**3 471.73**	**3 501.08**	**3 543.72**	**3 572.00**	**3 586.77**	**3 597.68**	**3 613.18**	**3 632.83**	**3 664.04**	**3 680.79**	**3 687.59**	**3 695.22**	**3 712.29**
1 467.86	1 493.15	1 524.93	1 547.59	1 569.12	1 591.76	1 619.36	1 639.90	1 654.80	1 668.05	1 683.06	1 698.37	1 719.92	1 735.21	1 745.97	1 757.40	1 773.03
553.45	556.56	560.50	560.62	559.43	557.82	558.52	557.27	554.32	550.68	547.58	545.68	545.14	542.51	538.63	534.86	532.17
974.50	986.78	1 001.90	1 012.09	1 021.04	1 031.49	1 046.64	1 057.19	1 062.98	1 067.98	1 074.52	1 082.51	1 093.55	1 099.85	1 102.87	1 105.98	1 112.17
162.51	168.28	173.88	177.35	180.25	181.93	184.58	186.29	187.18	187.50	188.00	189.38	191.72	193.11	193.85	194.55	195.83
155.60	152.16	149.95	146.31	141.89	138.08	134.61	131.34	127.50	123.47	120.03	116.90	113.72	110.11	106.28	102.43	99.09
586.59	**590.84**	**596.14**	**598.52**	**599.79**	**598.74**	**598.03**	**595.97**	**592.31**	**589.45**	**585.59**	**580.70**	**578.99**	**575.74**	**571.59**	**567.62**	**563.80**
22.72	23.08	23.44	23.64	23.76	23.75	23.76	23.71	23.60	23.51	23.38	23.23	23.19	23.10	22.96	22.83	22.70
171.62	172.37	173.42	173.61	173.48	172.69	172.13	171.31	170.07	169.10	167.90	166.50	166.16	165.30	164.22	163.20	162.25
362.36	365.36	369.05	371.00	372.29	372.20	372.18	371.20	369.21	367.69	365.53	362.58	361.51	359.57	357.06	354.65	352.31
20.54	19.83	19.18	18.48	17.78	17.07	16.40	15.76	15.14	14.56	14.00	13.45	12.95	12.47	12.01	11.57	11.15
9.35	10.20	11.05	11.78	12.47	13.03	13.56	13.98	14.29	14.58	14.79	14.94	15.17	15.29	15.35	15.38	15.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
528.86	**534.33**	**540.08**	**544.66**	**549.76**	**555.50**	**562.71**	**568.20**	**572.31**	**576.76**	**582.33**	**587.87**	**594.87**	**600.41**	**605.52**	**611.30**	**618.25**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
211.81	212.96	214.14	214.24	214.35	214.36	215.01	214.83	214.30	213.49	213.00	212.74	212.84	212.35	211.68	211.16	210.96
228.81	230.62	232.68	235.02	237.77	241.26	245.33	248.99	251.78	255.29	259.41	263.30	267.99	272.06	275.98	280.27	285.20
81.62	83.60	85.63	87.33	89.13	90.98	93.05	94.71	96.26	97.73	99.40	101.09	103.05	104.81	106.52	108.37	110.44
6.26	6.78	7.27	7.70	8.13	8.53	8.94	9.29	9.60	9.86	10.12	10.36	10.60	10.79	10.95	11.10	11.25
0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.40	0.40	0.40
1 324.87	**1 346.23**	**1 375.17**	**1 390.24**	**1 400.07**	**1 414.35**	**1 439.68**	**1 456.97**	**1 466.47**	**1 470.47**	**1 479.68**	**1 496.65**	**1 516.07**	**1 526.55**	**1 530.06**	**1 532.81**	**1 542.40**
99.90	102.14	104.28	105.06	105.01	105.08	106.21	106.76	106.75	106.17	105.84	106.35	107.23	107.31	106.72	106.10	106.01
132.07	128.14	125.22	121.12	116.32	112.07	107.96	104.25	100.09	95.90	92.19	88.68	85.07	81.23	77.34	73.45	69.95
168.93	170.12	171.82	171.65	170.47	169.63	170.24	169.99	168.81	166.94	165.53	165.22	165.00	163.71	161.60	159.36	157.82
382.27	389.73	399.09	404.98	409.87	416.92	428.02	435.87	440.86	443.87	448.45	455.51	462.93	467.11	468.73	469.97	473.56
271.38	279.33	290.31	297.71	303.91	310.42	319.39	326.28	331.89	335.92	341.36	348.93	357.18	363.16	367.24	370.89	375.95
120.84	125.59	130.71	134.70	138.39	142.54	147.95	152.38	155.62	158.61	162.08	166.30	170.96	174.80	178.13	181.58	185.84
126.32	127.53	129.37	130.19	130.90	132.05	133.63	134.71	135.41	135.88	136.77	137.82	139.44	140.76	141.76	142.89	144.53
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.16	23.66	24.36	24.82	25.20	25.64	26.27	26.71	27.02	27.19	27.45	27.83	28.26	28.48	28.54	28.58	28.73

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**839.41**	**818.22**	**826.10**	**853.74**	**887.90**	**883.30**	**864.09**	**872.43**	**856.52**	**852.98**	**850.35**	**854.35**	**858.34**	**866.38**
Aviation Fuel	62.06	45.80	35.86	49.40	57.93	58.74	59.57	60.40	61.25	62.10	62.97	63.85	64.75	65.66
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66	2.66	2.68	2.65	2.62	2.57	2.57
Diesel	250.74	238.70	242.40	245.91	261.39	263.80	258.81	252.98	250.55	252.48	254.41	257.21	259.88	264.05
Electric	1.36	1.32	1.39	1.35	1.36	1.31	1.26	1.23	1.18	1.15	1.13	1.12	1.11	1.11
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.16	18.14	18.24	18.22	18.42	18.97	20.20
Heavy Fuel Oil	5.54	6.60	6.76	6.84	7.09	7.18	7.27	7.36	7.45	7.55	7.64	7.74	7.83	7.93
LPG	4.82	5.50	3.03	3.49	4.20	3.91	3.56	3.26	2.93	2.66	2.38	2.13	1.89	1.68
Lubricants	3.88	4.74	5.65	6.14	5.80	5.98	6.15	6.39	6.48	6.67	6.89	7.15	7.37	7.60
Motor Gasoline	509.41	515.10	529.64	539.23	548.75	541.02	526.17	518.73	504.69	498.30	492.93	493.01	492.89	494.51
Natural Gas	1.60	1.46	1.37	1.38	1.38	1.36	1.31	1.27	1.20	1.16	1.12	1.11	1.09	1.08

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	2 999.37	2 894.73	3 057.10	3 088.65	3 167.43	3 236.35	3 221.87	3 235.60	3 200.85	3 228.67	3 244.82	3 262.70	3 269.12	3 294.68
Total Electric and Steam Energy Demand for Generation	1 370.39	1 390.45	1 387.45	1 460.83	1 499.56	1 491.76	1 476.64	1 529.09	1 522.88	1 504.23	1 488.15	1 460.92	1 438.18	1 429.56
Less Electricity and Steam Secondary Demand	518.48	515.59	536.00	528.74	530.78	551.73	556.34	562.14	560.59	567.43	572.06	575.87	575.74	577.87
Total Primary Demand	**3 851.28**	**3 769.59**	**3 908.55**	**4 020.75**	**4 136.21**	**4 176.37**	**4 142.17**	**4 202.54**	**4 163.15**	**4 165.47**	**4 160.90**	**4 147.75**	**4 131.56**	**4 146.37**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1 063.96	1 011.36	1 070.70	1 105.97	1 092.79	1 111.47	1 115.65	1 122.80	1 112.48	1 135.26	1 157.09	1 161.04	1 142.27	1 158.15
RPP	1 273.19	1 261.06	1 329.92	1 362.83	1 418.32	1 454.26	1 434.52	1 420.82	1 398.06	1 408.09	1 417.63	1 432.50	1 442.81	1 461.02
Coal, Coke and Coke Oven Gas	576.35	532.00	529.82	593.50	471.39	377.61	365.89	386.60	409.35	356.70	273.46	253.34	231.98	212.33
Hydro	136.41	133.64	138.25	129.76	142.14	135.84	135.93	135.93	136.26	142.46	144.83	144.83	144.83	144.83
Nuclear	694.02	732.29	730.39	723.40	882.33	966.98	958.85	973.81	939.21	949.26	988.26	970.38	978.15	971.54
Biofuels & Emerging Energy	107.35	99.25	109.47	105.29	129.23	130.22	131.34	162.58	167.78	173.71	179.62	185.65	191.52	198.51

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**7.05**	**6.72**	**6.84**	**6.71**	**6.65**	**6.57**	**6.37**	**6.23**	**6.06**	**5.91**	**5.75**	**5.63**	**5.51**	**5.41**
Residential (PJ/Personal Income)	1.61	1.56	1.59	1.70	1.61	1.61	1.58	1.55	1.52	1.49	1.45	1.41	1.37	1.33
Commercial (PJ/GO)	1.13	1.06	1.09	1.08	1.02	1.01	0.98	0.96	0.93	0.91	0.88	0.86	0.84	0.82
Industrial (PJ/GO)	2.80	2.76	2.93	2.84	2.89	2.90	2.80	2.67	2.56	2.48	2.39	2.32	2.25	2.20
Transportation (PJ/GDP)	1.97	1.90	1.85	1.85	1.87	1.79	1.71	1.68	1.62	1.56	1.51	1.47	1.45	1.42

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non-energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
873.61	**885.54**	**899.77**	**910.54**	**922.11**	**932.48**	**943.30**	**950.86**	**955.67**	**961.00**	**965.58**	**967.52**	**974.11**	**978.09**	**980.42**	**983.49**	**987.83**
66.57	67.51	68.45	69.41	70.38	71.37	72.31	73.38	74.41	75.45	76.50	77.58	78.66	79.76	80.88	82.01	83.16
2.61	2.73	2.88	3.01	3.11	3.19	3.26	3.30	3.33	3.34	3.36	3.38	3.41	3.44	3.46	3.48	3.51
267.58	272.71	278.27	282.64	287.16	292.08	297.94	302.59	306.38	310.03	313.83	317.25	321.69	325.04	327.73	330.78	334.74
1.10	1.10	1.11	1.12	1.13	1.13	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
21.66	23.35	24.97	26.16	27.77	28.34	28.84	29.24	29.61	30.03	30.51	31.11	32.11	33.19	34.40	35.66	36.97
8.03	8.13	8.23	8.33	8.44	8.54	8.65	8.76	8.87	8.98	9.09	9.21	9.32	9.44	9.55	9.67	9.79
1.50	1.34	1.20	1.07	0.95	0.85	0.75	0.66	0.59	0.52	0.46	0.40	0.35	0.31	0.27	0.24	0.21
7.82	8.10	8.39	8.63	8.86	9.07	9.31	9.52	9.70	9.90	10.09	10.29	10.54	10.77	10.97	11.18	11.40
495.66	499.50	505.19	509.08	513.22	516.80	519.92	521.13	520.52	520.48	519.48	516.06	515.76	513.90	510.91	508.23	505.81
1.07	1.07	1.08	1.09	1.10	1.11	1.12	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.10	1.10	1.09

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 313.92	3 356.93	3 411.15	3 443.96	3 471.73	3 501.08	3 543.72	3 572.00	3 586.77	3 597.68	3 613.18	3 632.83	3 664.04	3 680.79	3 687.59	3 695.22	3 712.28
1 397.64	1 378.94	1 387.24	1 397.23	1 411.08	1 399.71	1 385.45	1 385.62	1 372.56	1 360.38	1 393.40	1 409.05	1 409.25	1 400.79	1 394.98	1 383.56	1 388.03
576.98	580.58	585.22	585.81	585.00	583.83	585.17	584.36	581.73	578.25	575.41	573.90	573.79	571.38	567.57	563.84	561.31
4 134.58	**4 155.30**	**4 213.17**	**4 255.38**	**4 297.81**	**4 316.95**	**4 343.99**	**4 373.25**	**4 377.60**	**4 379.80**	**4 431.16**	**4 467.98**	**4 499.51**	**4 510.19**	**4 515.01**	**4 514.94**	**4 539.00**
1 174.55	1 195.43	1 212.73	1 218.87	1 207.72	1 226.12	1 240.55	1 249.65	1 252.34	1 251.68	1 252.48	1 258.37	1 268.81	1 273.50	1 270.20	1 271.13	1 272.32
1 477.58	1 503.65	1 535.36	1 558.16	1 578.21	1 601.72	1 628.41	1 648.91	1 663.68	1 676.94	1 692.04	1 707.45	1 729.13	1 744.49	1 755.26	1 766.71	1 782.38
192.44	155.05	125.22	121.12	116.32	112.07	107.96	104.25	100.09	95.90	92.19	88.68	85.07	81.23	77.34	73.45	69.95
144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83
940.05	942.92	973.48	984.85	1 017.78	995.07	979.92	979.05	966.69	957.63	993.80	1 008.91	1 007.08	997.64	995.61	983.83	990.73
205.13	213.42	221.54	227.54	232.96	237.15	242.33	246.57	249.97	252.82	255.84	259.74	264.60	268.51	271.77	274.99	278.79

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5.31	**5.20**	**5.12**	**5.04**	**4.96**	**4.89**	**4.81**	**4.73**	**4.66**	**4.58**	**4.51**	**4.43**	**4.35**	**4.28**	**4.20**	**4.13**	**4.05**
1.30	1.26	1.23	1.20	1.17	1.14	1.11	1.08	1.06	1.03	1.01	0.98	0.96	0.93	0.91	0.88	0.86
0.80	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.65
2.14	2.09	2.05	2.01	1.97	1.93	1.90	1.86	1.83	1.79	1.76	1.73	1.70	1.68	1.65	1.63	1.60
1.40	1.37	1.35	1.33	1.32	1.30	1.28	1.26	1.24	1.22	1.20	1.18	1.16	1.14	1.12	1.10	1.08

Table A2.25: Demand, Triple E, Prince Edward Island

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	34.11	34.39	34.16	37.53	36.51	33.86	43.11	41.32	41.70	40.95	41.18	41.65	44.65	45.54
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.39	15.19	15.06	15.72	14.73	13.81	12.95
Light Fuel Oil	16.97	17.86	16.17	18.61	18.54	21.87	22.69	21.77	21.55	21.37	22.39	21.26	20.19	19.19
Commercial														
Electricity	27.79	27.77	25.04	26.13	26.22	24.07	29.07	27.86	28.05	27.59	27.69	27.92	29.61	30.08
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.10	12.92	12.81	13.49	12.52	11.62	10.79
Light Fuel Oil	16.97	17.86	16.17	18.61	18.83	22.13	22.94	22.00	21.79	21.60	22.62	21.48	20.41	19.42
Industrial														
Electricity	18.65	21.73	26.27	28.94	28.10	25.73	35.91	34.39	34.86	34.16	34.49	35.06	38.27	39.30
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	8.83	11.66	11.57	12.25	11.30	10.41	9.59
Heavy Fuel Oil	11.83	12.46	11.28	12.98	13.05	16.75	17.96	17.22	17.06	16.91	17.97	16.88	15.86	14.91
Transportation														
Gasoline	29.84	29.80	29.89	29.89	29.89	32.43	32.47	31.14	30.83	30.58	31.42	30.20	29.03	27.94
Diesel	26.08	26.03	24.88	24.27	24.27	27.20	27.63	26.50	26.24	26.02	26.95	25.78	24.65	23.61

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**25.65**	**24.65**	**25.24**	**26.06**	**26.29**	**26.63**	**26.35**	**26.38**	**26.07**	**25.77**	**25.79**	**25.80**	**25.79**	**25.85**
RPP[1,2]	21.77	20.70	21.15	22.00	21.98	22.34	22.01	21.98	21.63	21.30	21.14	21.05	20.96	20.95
Electric	3.44	3.52	3.63	3.57	3.82	3.78	3.83	3.84	3.88	3.90	3.95	3.99	4.00	4.02
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy[3]	0.43	0.42	0.45	0.49	0.49	0.51	0.52	0.55	0.56	0.57	0.70	0.76	0.83	0.89
Other[4]	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**5.25**	**5.06**	**4.63**	**4.62**	**4.57**	**4.75**	**4.74**	**4.80**	**4.74**	**4.70**	**4.71**	**4.73**	**4.75**	**4.75**
Biomass	0.43	0.42	0.45	0.49	0.49	0.51	0.52	0.53	0.52	0.52	0.53	0.54	0.54	0.55
Electricity	1.00	1.02	0.51	0.56	0.57	0.56	0.56	0.57	0.56	0.56	0.56	0.57	0.57	0.58
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	3.82	3.62	3.67	3.57	3.51	3.68	3.67	3.68	3.64	3.60	3.60	3.59	3.59	3.58
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.03	0.04	0.04
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**4.29**	**4.25**	**4.50**	**4.91**	**5.11**	**4.92**	**4.86**	**4.83**	**4.87**	**4.88**	**4.88**	**4.92**	**4.94**	**5.00**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	1.50	1.46	1.47	1.50	1.67	1.63	1.64	1.65	1.69	1.71	1.73	1.76	1.77	1.80
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	2.78	2.78	3.01	3.40	3.44	3.29	3.22	3.17	3.16	3.15	3.13	3.13	3.13	3.16
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.03	0.03	0.04
Other	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**4.20**	**3.79**	**4.42**	**4.49**	**4.04**	**4.22**	**4.20**	**4.17**	**4.14**	**4.13**	**4.14**	**4.15**	**4.14**	**4.13**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.93	1.04	1.65	1.51	1.58	1.59	1.63	1.63	1.63	1.64	1.65	1.66	1.65	1.64
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG & Petroleum Feedstocks	0.17	0.00	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
RPP	3.10	2.75	2.76	2.96	2.44	2.61	2.56	2.53	2.50	2.48	2.47	2.46	2.46	2.47
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
45.73	46.03	46.34	46.67	47.09	47.33	47.99	48.68	49.57	50.53	51.62	52.78	54.04	55.36	56.83	58.46	60.04
12.17	11.99	11.35	10.77	10.24	9.76	9.85	9.82	9.80	9.77	9.74	10.24	10.21	10.18	10.16	10.13	10.10
18.28	18.27	17.53	16.85	16.23	15.68	15.99	15.94	15.89	15.85	15.80	16.56	16.52	16.47	16.43	16.38	16.34
30.13	30.26	30.39	30.55	30.74	30.84	31.19	31.55	32.04	32.56	33.16	33.81	34.51	35.25	36.07	37.00	37.88
10.03	9.87	9.25	8.69	8.17	7.70	7.81	7.79	7.76	7.74	7.72	8.23	8.21	8.19	8.17	8.15	8.13
18.50	18.48	17.74	17.06	16.44	15.89	16.20	16.15	16.10	16.05	16.01	16.77	16.72	16.68	16.63	16.59	16.54
39.58	39.99	40.38	40.80	41.30	41.61	42.33	43.09	44.05	45.09	46.25	47.49	48.83	50.23	51.79	53.51	55.18
8.85	8.70	8.09	7.53	7.02	6.56	6.67	6.66	6.64	6.62	6.61	7.12	7.10	7.08	7.07	7.05	7.03
14.05	14.07	13.37	12.72	12.13	11.60	11.93	11.90	11.87	11.84	11.80	12.58	12.55	12.52	12.49	12.46	12.43
26.93	26.77	25.96	25.22	24.53	23.93	24.15	24.06	23.99	23.91	23.84	24.51	24.44	24.36	24.29	24.22	24.15
22.65	22.56	21.79	21.07	20.42	19.85	20.11	20.04	19.98	19.92	19.86	20.58	20.52	20.46	20.40	20.34	20.28

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
25.86	**26.05**	**26.25**	**26.38**	**26.53**	**26.66**	**26.78**	**26.87**	**26.98**	**27.08**	**27.20**	**27.24**	**27.40**	**27.53**	**27.64**	**27.78**	**27.98**
20.90	21.00	21.13	21.21	21.31	21.41	21.50	21.56	21.63	21.71	21.82	21.85	21.98	22.09	22.19	22.32	22.46
4.02	4.05	4.07	4.08	4.08	4.08	4.08	4.08	4.08	4.07	4.08	4.07	4.08	4.08	4.08	4.07	4.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.94	0.99	1.05	1.09	1.13	1.17	1.20	1.23	1.25	1.28	1.30	1.31	1.33	1.35	1.37	1.39	1.45
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.74	**4.75**	**4.77**	**4.77**	**4.76**	**4.73**	**4.72**	**4.70**	**4.68**	**4.66**	**4.63**	**4.60**	**4.58**	**4.57**	**4.55**	**4.53**	**4.52**
0.55	0.55	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.53	0.53	0.53
0.58	0.59	0.60	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.67	0.68	0.69	0.70
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.56	3.55	3.55	3.54	3.53	3.50	3.47	3.44	3.42	3.39	3.36	3.32	3.30	3.27	3.25	3.22	3.20
0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.04	**5.14**	**5.22**	**5.29**	**5.37**	**5.45**	**5.53**	**5.60**	**5.66**	**5.73**	**5.83**	**5.90**	**5.96**	**6.02**	**6.09**	**6.16**	**6.23**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.81	1.84	1.87	1.88	1.90	1.91	1.93	1.94	1.95	1.95	1.97	1.98	1.99	1.99	2.00	2.01	2.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.19	3.25	3.30	3.35	3.42	3.48	3.54	3.59	3.65	3.71	3.79	3.84	3.90	3.95	4.00	4.06	4.13
0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.13	**4.15**	**4.18**	**4.18**	**4.19**	**4.19**	**4.22**	**4.23**	**4.24**	**4.24**	**4.25**	**4.27**	**4.30**	**4.32**	**4.33**	**4.34**	**4.35**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.62	1.62	1.61	1.59	1.57	1.55	1.53	1.51	1.50	1.48	1.45	1.44	1.43	1.42	1.40	1.38	1.36
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
2.48	2.51	2.55	2.57	2.59	2.62	2.65	2.68	2.71	2.73	2.76	2.79	2.84	2.87	2.89	2.92	2.95
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**11.91**	**11.54**	**11.70**	**12.05**	**12.58**	**12.74**	**12.55**	**12.58**	**12.32**	**12.06**	**12.04**	**12.00**	**11.96**	**11.97**
Aviation Fuel	0.15	0.14	0.14	0.17	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.21
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Diesel	4.24	3.94	3.71	3.94	4.25	4.24	4.18	4.21	4.20	4.18	4.17	4.16	4.16	4.16
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.16	0.20	0.24
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Motor Gasoline	7.47	7.41	7.83	7.92	8.12	8.29	8.17	8.16	7.90	7.66	7.53	7.45	7.37	7.31
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	25.65	24.65	25.24	26.06	26.29	26.63	26.35	26.38	26.07	25.77	25.79	25.80	25.79	25.85
Total Electric and Steam Energy Demand for Generation	0.76	0.69	0.40	0.57	0.37	1.01	1.01	1.24	2.17	2.19	2.21	2.45	2.55	2.79
Less Electricity and Steam Secondary Demand	3.45	3.53	3.64	3.57	3.82	3.78	3.83	3.84	3.88	3.90	3.95	3.99	4.00	4.02
Total Primary Demand	**22.96**	**21.81**	**22.00**	**23.06**	**22.83**	**23.86**	**23.54**	**23.78**	**24.36**	**24.07**	**24.05**	**24.26**	**24.34**	**24.62**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP[2]	22.53	21.39	21.55	22.57	22.22	23.35	23.02	22.99	23.33	22.79	22.42	22.32	22.10	22.09
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.43	0.42	0.45	0.49	0.61	0.51	0.52	0.79	1.03	1.27	1.64	1.94	2.24	2.53

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**8.36**	**7.99**	**7.82**	**7.79**	**7.60**	**7.64**	**7.42**	**7.27**	**6.97**	**6.74**	**6.56**	**6.39**	**6.22**	**6.06**
Residential (PJ/Personal Income)	1.80	1.74	1.56	1.58	1.53	1.52	1.49	1.46	1.43	1.41	1.37	1.33	1.29	1.25
Commercial (PJ/GO)	1.24	1.21	1.25	1.31	1.29	1.24	1.20	1.16	1.13	1.10	1.07	1.05	1.02	1.00
Industrial (PJ/GO)	1.68	1.58	1.70	1.65	1.50	1.45	1.43	1.40	1.37	1.35	1.32	1.29	1.26	1.24
Transportation (PJ/GDP)	3.88	3.74	3.62	3.60	3.66	3.65	3.53	3.47	3.29	3.15	3.06	2.97	2.89	2.81

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11.95	**12.00**	**12.08**	**12.13**	**12.20**	**12.27**	**12.31**	**12.34**	**12.38**	**12.43**	**12.48**	**12.48**	**12.55**	**12.61**	**12.68**	**12.75**	**12.88**
0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28
0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.09
4.17	4.20	4.23	4.25	4.27	4.30	4.33	4.35	4.37	4.40	4.44	4.47	4.52	4.56	4.60	4.64	4.69
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.28	0.32	0.36	0.39	0.43	0.46	0.48	0.50	0.53	0.55	0.56	0.58	0.60	0.61	0.62	0.64	0.65
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
7.24	7.22	7.22	7.22	7.23	7.23	7.21	7.19	7.18	7.17	7.16	7.11	7.11	7.11	7.12	7.13	7.14
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
25.86	26.05	26.25	26.38	26.53	26.66	26.78	26.87	26.96	27.06	27.20	27.24	27.40	27.53	27.64	27.78	27.98
2.89	3.12	3.34	3.54	3.73	3.89	4.04	4.19	4.34	4.49	4.64	4.79	4.94	5.09	5.24	5.39	5.54
4.02	4.05	4.07	4.08	4.08	4.08	4.08	4.08	4.08	4.07	4.08	4.07	4.08	4.08	4.08	4.07	4.07
24.73	**25.12**	**25.52**	**25.84**	**26.17**	**26.47**	**26.74**	**26.98**	**27.23**	**27.48**	**27.77**	**27.96**	**28.26**	**28.54**	**28.81**	**29.10**	**29.45**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.91	22.01	22.14	22.22	22.32	22.42	22.51	22.57	22.64	22.72	22.83	22.86	22.99	23.10	23.20	23.33	23.47
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.82	3.11	3.38	3.62	3.85	4.05	4.24	4.41	4.59	4.76	4.93	5.10	5.27	5.44	5.60	5.77	5.98

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5.91	**5.76**	**5.64**	**5.53**	**5.43**	**5.33**	**5.23**	**5.13**	**5.05**	**4.96**	**4.87**	**4.77**	**4.70**	**4.62**	**4.55**	**4.48**	**4.42**
1.22	1.18	1.15	1.12	1.08	1.05	1.02	1.00	0.97	0.94	0.91	0.89	0.86	0.83	0.81	0.78	0.76
0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
1.22	1.20	1.18	1.16	1.15	1.13	1.12	1.11	1.10	1.08	1.07	1.05	1.04	1.02	1.01	0.99	0.98
2.73	2.66	2.59	2.54	2.50	2.45	2.40	2.36	2.32	2.28	2.23	2.19	2.15	2.12	2.09	2.06	2.04

Table A2.26: Demand, Triple E, Quebec

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	18.74	18.32	17.71	17.06	16.24	14.60	17.41	18.43	18.88	19.22	19.57	19.20	19.16	19.38
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.39	15.19	15.06	15.72	14.73	13.81	12.95
Light Fuel Oil	14.95	14.45	13.37	15.55	15.57	19.10	20.13	19.31	19.12	18.96	20.00	18.89	17.84	16.88
Commercial														
Electricity	20.07	19.53	18.89	18.09	17.26	15.69	19.35	20.67	21.21	21.62	22.05	21.58	21.52	21.81
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.10	12.92	12.81	13.49	12.52	11.62	10.79
Light Fuel Oil	14.95	14.45	13.37	15.55	15.82	19.33	20.35	19.52	19.32	19.16	20.20	19.09	18.04	17.07
Industrial														
Electricity	10.83	11.01	10.53	10.78	9.76	8.77	10.27	10.83	11.08	11.27	11.47	11.27	11.25	11.37
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	8.83	11.66	11.57	12.25	11.30	10.41	9.59
Heavy Fuel Oil	10.42	10.07	9.32	10.84	11.03	14.87	16.22	15.55	15.40	15.27	16.35	15.27	14.26	13.34
Transportation														
Gasoline	29.74	30.31	30.29	30.29	30.29	32.80	32.81	31.47	31.16	30.90	31.75	30.52	29.35	28.25
Diesel	26.43	26.45	24.94	25.23	25.23	28.09	28.45	27.29	27.02	26.80	27.72	26.53	25.40	24.35

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**1 816.25**	**1 776.34**	**1 886.57**	**1 973.63**	**1 969.36**	**1 995.76**	**1 999.50**	**1 998.01**	**1 973.23**	**1 980.70**	**1 983.97**	**1 990.77**	**1 987.18**	**1 993.17**
RPP[1,2]	752.43	762.26	800.17	856.59	861.11	870.49	871.26	870.41	854.63	850.96	844.79	843.10	841.26	843.57
Electric	630.44	635.48	661.26	695.88	690.09	706.28	714.04	716.85	715.81	727.38	735.54	744.16	743.75	746.48
Natural Gas	239.67	200.21	224.37	217.35	220.74	220.53	216.38	210.56	202.73	198.56	193.22	188.91	184.37	181.41
Biofuels & Emerging Energy[3]	161.43	148.07	167.41	170.61	167.64	167.43	166.76	169.67	169.22	171.78	178.05	182.38	186.15	190.25
Other[4]	32.29	30.33	33.36	33.21	29.78	31.03	31.08	30.53	30.84	32.02	32.36	32.21	31.64	31.46
Residential Sector	**327.49**	**309.54**	**323.32**	**348.27**	**354.04**	**352.22**	**357.94**	**365.00**	**363.22**	**362.94**	**363.01**	**365.73**	**366.45**	**366.64**
Biomass	60.27	55.95	59.97	64.06	66.25	65.79	67.08	68.44	68.46	68.78	69.21	70.05	70.48	70.77
Electricity	186.45	183.31	191.71	206.57	209.39	209.96	214.53	218.40	217.76	217.88	218.21	220.11	220.71	220.80
Natural Gas	28.25	23.65	26.12	28.15	27.56	27.20	27.45	27.61	27.07	26.76	26.42	26.24	25.98	25.75
RPP	52.52	46.63	45.52	49.50	50.84	49.27	48.88	48.57	47.45	46.73	45.98	45.53	44.95	44.44
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	2.48	2.78	3.19	3.79	4.33	4.88
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**226.69**	**227.25**	**246.67**	**270.78**	**260.10**	**271.01**	**271.28**	**271.48**	**266.11**	**265.27**	**263.22**	**262.77**	**261.32**	**261.35**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	118.16	117.87	122.63	125.08	128.37	133.51	134.69	135.08	133.74	134.02	133.94	134.46	134.31	134.45
Natural Gas	75.07	69.95	76.84	79.92	77.91	80.84	80.02	78.53	74.85	73.10	70.84	69.23	67.59	66.79
RPP	33.47	39.43	47.21	65.78	53.81	56.67	56.57	56.49	55.80	56.12	56.06	56.33	56.32	56.68
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	1.72	2.03	2.38	2.75	3.10	3.43
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**794.56**	**775.48**	**817.68**	**839.95**	**829.63**	**842.12**	**839.08**	**829.65**	**822.91**	**837.31**	**845.49**	**850.91**	**849.53**	**854.99**
Biomass	101.16	92.12	107.44	106.55	101.39	101.63	99.67	97.86	96.56	98.18	99.68	100.71	101.82	103.39
Coal, Coke & Coke Oven Gas	27.59	25.70	26.99	27.18	24.89	26.15	26.32	25.93	26.38	27.62	28.08	28.04	27.63	27.60
Electricity	324.75	333.22	345.91	363.19	351.28	361.80	363.84	362.40	363.40	374.62	382.54	388.75	387.92	390.43
Natural Gas	136.32	106.57	121.37	109.23	115.22	112.45	108.87	104.39	100.78	98.66	95.94	93.43	90.79	88.86
LPG & Petroleum Feedstocks	22.58	27.46	30.24	31.42	35.01	35.09	35.93	36.51	36.36	37.15	37.83	38.40	39.01	39.94
RPP	95.63	95.72	87.27	103.64	102.34	106.75	105.12	102.91	101.63	102.03	101.76	101.34	101.06	101.64
Still Gas & Petroleum Coke	81.84	90.06	92.10	92.71	94.60	93.36	94.57	95.05	93.35	94.64	95.38	96.06	97.30	99.26
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	4.69	4.63	6.37	6.02	4.89	4.89	4.75	4.60	4.45	4.40	4.28	4.17	4.01	3.86

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
19.43	19.58	19.77	20.02	20.31	20.69	21.00	21.31	21.88	22.50	23.19	23.95	24.70	25.49	26.35	27.36	28.42
12.17	11.99	11.35	10.77	10.24	9.76	9.85	9.82	9.80	9.77	9.74	10.24	10.21	10.18	10.16	10.13	10.10
15.99	16.00	15.28	14.62	14.01	13.47	13.80	13.75	13.71	13.68	13.64	14.41	14.37	14.33	14.30	14.26	14.22
21.88	22.09	22.33	22.65	23.02	23.51	23.92	24.31	25.04	25.83	26.71	27.68	28.64	29.64	30.74	32.03	33.39
10.03	9.87	9.25	8.69	8.17	7.70	7.81	7.79	7.76	7.74	7.72	8.23	8.21	8.19	8.17	8.15	8.13
16.18	16.19	15.47	14.80	14.20	13.66	13.98	13.94	13.90	13.86	13.82	14.59	14.55	14.51	14.48	14.44	14.40
11.40	11.49	11.60	11.74	11.91	12.12	12.30	12.48	12.80	13.16	13.55	13.98	14.41	14.86	15.36	15.93	16.54
8.85	8.70	8.09	7.53	7.02	6.56	6.67	6.66	6.64	6.62	6.61	7.12	7.10	7.08	7.07	7.05	7.03
12.49	12.53	11.84	11.20	10.63	10.11	10.44	10.41	10.39	10.36	10.33	11.12	11.09	11.06	11.04	11.01	10.99
27.24	27.08	26.27	25.52	24.83	24.23	24.44	24.36	24.28	24.21	24.13	24.80	24.73	24.65	24.58	24.50	24.43
23.38	23.29	22.51	21.79	21.13	20.55	20.81	20.74	20.68	20.62	20.55	21.27	21.21	21.14	21.08	21.02	20.96

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 996.88	**2 015.77**	**2 041.82**	**2 053.07**	**2 056.64**	**2 063.18**	**2 081.65**	**2 094.26**	**2 099.23**	**2 096.54**	**2 096.52**	**2 102.34**	**2 117.89**	**2 123.52**	**2 120.18**	**2 118.02**	**2 127.84**
844.26	850.81	861.88	868.48	874.38	881.73	891.15	898.27	903.15	906.11	910.13	914.43	922.98	929.05	933.03	937.86	945.92
748.83	756.70	765.74	767.47	763.50	760.01	763.67	765.51	763.63	757.49	752.16	751.13	753.72	750.99	743.11	735.35	732.42
178.98	178.64	179.54	179.97	180.67	182.34	185.15	187.16	188.64	189.80	191.52	193.40	196.12	198.16	199.70	201.50	204.19
193.46	198.29	203.22	205.92	207.31	208.56	211.07	212.79	213.58	213.37	213.22	213.93	215.70	216.28	215.82	215.38	217.72
31.35	31.33	31.44	31.23	30.79	30.54	30.61	30.53	30.23	29.79	29.50	29.45	29.37	29.04	28.52	27.93	27.59
365.12	**365.99**	**367.93**	**367.37**	**365.79**	**363.60**	**361.87**	**360.03**	**357.56**	**354.35**	**350.83**	**347.27**	**345.87**	**343.82**	**341.24**	**339.00**	**337.67**
70.68	71.07	71.63	71.69	71.52	71.22	71.01	70.78	70.44	69.98	69.46	68.98	68.96	68.83	68.60	68.47	68.56
219.74	220.09	220.92	220.18	218.70	216.74	215.06	213.37	211.28	208.73	205.96	203.19	201.48	199.37	196.93	194.58	192.60
25.47	25.39	25.45	25.40	25.35	25.31	25.32	25.31	25.27	25.19	25.11	25.00	25.12	25.21	25.27	25.39	25.64
43.85	43.59	43.57	43.35	43.11	42.91	42.75	42.59	42.39	42.12	41.86	41.56	41.63	41.64	41.62	41.69	41.96
5.37	5.85	6.35	6.75	7.10	7.42	7.73	7.98	8.18	8.33	8.44	8.53	8.67	8.77	8.82	8.86	8.91
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
260.97	**262.49**	**264.62**	**266.02**	**267.70**	**269.51**	**272.15**	**273.80**	**274.99**	**275.84**	**277.22**	**278.42**	**280.14**	**281.18**	**281.86**	**282.80**	**284.24**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134.08	134.48	134.89	134.66	134.25	133.63	133.39	132.76	131.87	130.75	129.74	128.81	127.98	126.83	125.48	124.14	122.90
66.19	66.29	66.84	67.50	68.53	69.88	71.50	72.82	74.02	75.21	76.67	77.93	79.46	80.79	82.05	83.46	85.11
56.96	57.66	58.53	59.24	60.05	60.92	61.95	62.73	63.45	64.11	64.93	65.69	66.63	67.43	68.16	69.00	70.01
3.74	4.06	4.36	4.62	4.87	5.08	5.31	5.49	5.64	5.77	5.88	5.98	6.07	6.13	6.17	6.20	6.22
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
861.02	**874.97**	**892.23**	**900.03**	**901.16**	**905.05**	**919.49**	**930.08**	**935.13**	**934.63**	**936.52**	**945.07**	**957.87**	**963.12**	**961.11**	**959.05**	**964.14**
104.69	107.16	109.56	110.56	110.63	110.82	112.22	113.07	113.27	112.79	112.54	113.18	114.26	114.43	113.81	113.15	113.10
27.62	27.68	27.85	27.71	27.35	27.16	27.24	27.19	26.93	26.54	26.28	26.25	26.17	25.86	25.38	24.82	24.49
394.23	401.36	409.16	411.86	409.78	408.88	414.46	418.64	419.73	417.26	415.72	418.39	423.52	424.06	419.96	415.89	416.17
87.31	86.95	87.24	87.06	86.78	87.14	88.33	89.03	89.35	89.39	89.74	90.46	91.54	92.16	92.38	92.65	93.44
40.58	41.48	42.72	43.58	44.32	45.10	46.11	46.93	47.65	48.24	48.95	49.84	50.89	51.78	52.49	53.16	53.97
102.24	104.01	106.05	107.30	108.29	109.76	112.20	114.08	115.23	116.01	117.14	118.66	120.77	122.18	123.03	124.15	126.21
100.62	102.67	106.05	108.45	110.58	112.80	115.57	117.80	119.68	121.15	122.94	125.08	127.53	129.48	130.91	132.12	133.66
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.73	3.65	3.59	3.52	3.44	3.38	3.36	3.33	3.30	3.25	3.22	3.20	3.19	3.17	3.14	3.11	3.09

Transportation	**467.49**	**464.07**	**498.90**	**514.63**	**525.59**	**530.40**	**531.20**	**531.[illegible]**	**520.98**	**515.19**	**512.25**	**511.36**	**509.88**	**510.18**
Aviation Fuel	26.71	29.05	53.27	48.27	47.16	47.82	48.49	49.17	49.86	50.55	51.26	51.98	52.71	53.44
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.22	0.28	0.34
Diesel	144.55	132.90	134.39	146.47	154.93	161.33	163.10	164.17	161.63	161.62	160.98	160.85	160.45	160.84
Electric	1.08	1.07	1.02	1.04	1.05	1.01	0.98	0.96	0.92	0.88	0.85	0.83	0.81	0.80
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.43	4.85	6.15	7.43
Heavy Fuel Oil	13.09	15.84	16.28	16.32	16.86	17.07	17.28	17.50	17.72	17.94	18.16	18.39	18.62	18.85
LPG	0.57	0.87	0.54	0.46	0.61	0.59	0.56	0.54	0.51	0.49	0.47	0.45	0.43	0.42
Lubricants	1.98	1.81	1.72	2.00	2.02	2.06	2.13	2.19	2.22	2.27	2.32	2.39	2.45	2.51
Motor Gasoline	279.48	282.48	291.64	300.02	302.93	300.49	298.62	297.31	288.09	281.41	274.59	271.38	267.97	265.53
Natural Gas	0.03	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.01

Section 3: Primary Demand (petajoules)

Section 3: Primary Demand (petajoules)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	1 816.25	1 776.34	1 886.56	1 973.63	1 969.36	1 995.76	1 999.50	1 998.01	1 973.23	1 980.70	1 983.97	1 990.77	1 987.18	1 993.17
Total Electric and Steam Energy Demand for Generation	695.50	661.47	684.37	689.43	685.34	749.60	771.04	787.01	818.48	827.96	805.25	854.89	879.03	883.68
Less Electricity and Steam Secondary Demand	635.13	640.10	667.63	701.91	694.97	711.16	718.79	721.44	720.27	731.79	739.83	748.34	747.76	750.35
Total Primary Demand	**1 876.62**	**1 797.71**	**1 903.31**	**1 961.16**	**1 959.72**	**2 034.20**	**2 051.76**	**2 063.58**	**2 071.44**	**2 076.86**	**2 049.39**	**2 097.32**	**2 118.45**	**2 126.50**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	247.51	206.36	232.20	223.19	225.25	226.35	241.71	235.96	228.13	223.95	218.62	214.32	209.78	206.81
RPP	757.67	768.98	807.20	882.30	882.36	937.15	937.81	937.07	921.29	903.98	893.28	890.76	888.18	888.73
Coal, Coke and Coke Oven Gas	27.59	25.70	26.99	27.18	24.89	26.15	26.32	25.93	26.38	27.62	28.08	28.04	27.63	27.60
Hydro	625.12	593.34	616.35	616.14	602.34	628.98	631.04	642.91	651.07	683.05	702.64	704.24	709.13	709.99
Nuclear	56.68	54.58	52.54	41.12	56.57	40.50	40.50	39.99	57.75	43.31	0.00	43.31	57.75	57.75
Biofuels & Emerging Energy	162.06	148.75	168.03	171.22	168.31	175.07	174.38	181.72	186.82	194.94	206.76	216.64	225.97	235.62

Section 4: Ratios

Section 4: Ratios	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**8.35**	**8.01**	**8.17**	**8.49**	**8.20**	**8.08**	**7.87**	**7.70**	**7.49**	**7.31**	**7.14**	**6.97**	**6.82**	**6.68**
Residential (PJ/Personal Income)	1.81	1.68	1.75	1.86	1.85	1.80	1.78	1.75	1.72	1.70	1.67	1.63	1.60	1.56
Commercial (PJ/GO)	1.00	0.98	1.02	1.11	1.02	1.03	1.01	0.98	0.96	0.93	0.90	0.88	0.86	0.84
Industrial (PJ/GO)	4.52	4.36	4.45	4.65	4.46	4.33	4.17	4.02	3.87	3.75	3.63	3.53	3.42	3.34
Transportation (PJ/GDP)	2.15	2.09	2.16	2.21	2.19	2.15	2.09	2.05	1.98	1.90	1.84	1.79	1.75	1.71

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non-energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

508.77	**512.32**	**517.04**	**519.64**	**522.00**	**525.03**	**528.14**	**530.38**	**531.55**	**531.72**	**531.95**	**531.59**	**534.01**	**535.40**	**535.97**	**537.17**	**541.79**
54.19	54.95	55.72	56.50	57.29	58.09	58.91	59.73	60.57	61.42	62.28	63.15	64.03	64.93	65.84	66.76	67.69
0.39	0.45	0.50	0.55	0.59	0.64	0.68	0.72	0.75	0.78	0.81	0.83	0.86	0.89	0.90	0.92	2.86
160.98	162.43	164.26	165.25	166.13	167.31	168.94	170.04	170.66	170.96	171.44	171.94	173.11	173.81	174.18	174.79	175.99
0.78	0.77	0.77	0.76	0.76	0.76	0.75	0.75	0.75	0.74	0.74	0.73	0.73	0.74	0.74	0.74	0.74
8.58	9.69	10.81	11.75	12.61	13.39	14.13	14.75	15.29	15.73	16.10	16.43	16.88	17.23	17.51	17.78	18.07
19.09	19.33	19.57	19.81	20.06	20.31	20.57	20.82	21.08	21.35	21.61	21.88	22.16	22.43	22.71	23.00	23.29
0.41	0.40	0.40	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37
2.56	2.63	2.71	2.77	2.83	2.88	2.95	3.00	3.06	3.10	3.15	3.20	3.28	3.34	3.40	3.46	3.54
262.76	261.65	262.29	261.84	261.33	261.24	260.82	260.16	259.01	257.27	255.45	253.05	252.59	251.66	250.31	249.35	249.23
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 996.88	2 015.77	2 041.82	2 053.07	2 056.64	2 063.18	2 081.65	2 094.28	2 099.23	2 096.54	2 096.52	2 102.34	2 117.89	2 123.52	2 120.17	2 118.02	2 127.84
889.74	897.49	905.48	917.19	923.60	929.16	934.71	940.14	945.24	949.75	955.06	960.61	966.34	972.19	978.08	984.17	990.57
752.56	760.35	769.34	770.99	766.94	763.39	767.03	768.85	766.93	760.74	755.38	754.32	756.91	754.17	746.25	738.46	735.51
2 134.06	**2 152.91**	**2 177.97**	**2 199.27**	**2 213.31**	**2 228.95**	**2 249.33**	**2 265.57**	**2 277.84**	**2 285.86**	**2 296.20**	**2 308.62**	**2 327.31**	**2 341.54**	**2 352.01**	**2 363.73**	**2 382.90**
204.39	204.05	204.94	205.37	206.07	207.75	210.56	212.57	214.04	215.20	216.92	218.80	221.52	223.57	225.10	226.90	229.60
889.46	894.96	906.03	912.64	918.54	925.88	935.30	942.30	946.73	948.64	952.41	956.71	965.26	971.28	975.00	979.77	987.83
27.62	27.68	27.85	27.71	27.35	27.16	27.24	27.19	26.93	26.54	26.28	26.25	26.17	25.86	25.38	24.82	24.49
710.46	713.70	716.14	722.29	723.15	723.15	723.15	723.15	723.15	723.15	723.15	723.15	723.15	723.15	723.15	723.15	723.15
57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75
244.39	254.77	265.26	273.51	280.46	287.27	295.33	302.61	308.95	314.29	319.70	325.96	333.46	339.93	345.54	351.33	360.08

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.56	**6.44**	**6.34**	**6.24**	**6.14**	**6.04**	**5.94**	**5.86**	**5.78**	**5.69**	**5.59**	**5.50**	**5.42**	**5.33**	**5.25**	**5.16**	**5.09**
1.52	1.49	1.45	1.42	1.39	1.35	1.32	1.29	1.26	1.23	1.20	1.17	1.14	1.11	1.08	1.05	1.02
0.83	0.81	0.80	0.78	0.77	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.71	0.70	0.69	0.68	0.67
3.27	3.21	3.15	3.10	3.03	2.98	2.93	2.88	2.84	2.79	2.75	2.70	2.67	2.63	2.58	2.55	2.52
1.67	1.64	1.61	1.58	1.56	1.54	1.51	1.48	1.46	1.44	1.42	1.39	1.37	1.34	1.33	1.31	1.30

Table A2.27: Demand, Triple E, Saskatchewan

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	26.23	26.45	28.35	26.74	25.29	26.71	25.66	26.20	30.50	31.67	33.50	33.17	40.99	40.62
Natural Gas	6.98	6.95	6.70	6.70	6.88	7.96	9.13	10.11	12.93	12.83	13.50	12.54	11.63	10.80
Light Fuel Oil	11.38	11.93	11.26	12.15	12.15	15.91	17.18	16.48	16.32	16.18	17.25	16.16	15.15	14.21
Commercial														
Electricity	19.26	17.34	19.96	19.54	18.02	18.94	18.21	18.64	21.87	22.76	24.16	23.93	29.82	29.57
Natural Gas	5.30	5.36	4.90	4.71	4.86	6.08	7.39	8.44	11.28	11.19	11.88	10.93	10.04	9.23
Light Fuel Oil	11.38	11.93	11.26	12.15	12.35	16.10	17.35	16.64	16.48	16.34	17.41	16.32	15.30	14.37
Industrial														
Electricity	14.32	14.59	15.37	14.43	13.65	13.98	13.50	13.96	16.82	17.63	18.92	18.76	24.04	23.88
Natural Gas	4.24	4.76	4.90	4.59	4.71	5.94	7.26	8.32	11.16	11.06	11.76	10.81	9.92	9.11
Heavy Fuel Oil	7.56	7.92	7.47	8.07	8.17	12.21	13.75	13.19	13.06	12.95	14.05	13.00	12.01	11.11
Transportation														
Gasoline	24.66	24.96	25.29	25.29	25.29	28.15	28.51	27.34	27.08	26.85	27.73	26.54	25.41	24.36
Diesel	19.43	20.15	18.58	19.25	19.25	22.52	23.30	22.35	22.13	21.94	22.91	21.77	20.69	19.70

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**436.60**	**413.16**	**431.71**	**441.30**	**442.21**	**453.67**	**457.57**	**457.55**	**443.40**	**438.18**	**430.36**	**421.81**	**410.85**	**403.01**
RPP[1,2]	146.89	142.11	147.65	165.90	162.53	163.37	164.58	164.65	161.48	160.54	158.66	157.25	155.22	153.89
Electric	58.15	57.58	58.04	60.30	59.77	62.15	63.52	63.86	62.67	62.48	61.97	61.14	59.45	58.30
Natural Gas	215.56	195.07	207.07	194.89	198.49	205.88	207.20	203.12	193.25	188.50	182.54	175.95	168.56	162.89
Biofuels & Emerging Energy[3]	10.33	12.78	13.51	14.16	14.90	15.51	15.41	19.24	19.28	19.71	20.04	20.31	20.47	20.73
Other[4]	5.67	5.61	5.44	6.05	6.53	6.76	6.85	6.68	6.72	6.96	7.14	7.16	7.14	7.21
Residential Sector	**49.03**	**48.30**	**49.75**	**45.93**	**44.75**	**49.34**	**50.54**	**51.32**	**49.86**	**49.06**	**48.03**	**47.45**	**46.69**	**45.97**
Biomass	1.11	1.03	1.14	1.12	1.11	1.25	1.30	1.34	1.32	1.32	1.32	1.33	1.33	1.33
Electricity	9.80	9.94	10.21	10.44	10.31	10.69	10.94	11.07	10.76	10.59	10.37	10.27	10.10	9.94
Natural Gas	36.64	36.09	37.26	32.75	31.22	35.06	35.94	36.30	35.20	34.58	33.82	33.33	32.78	32.26
RPP[2]	0.90	0.76	0.80	0.75	1.12	1.22	1.22	1.20	1.15	1.12	1.08	1.05	1.01	0.97
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.33	0.36	0.39	0.45	0.49	0.53
Other	0.57	0.47	0.33	0.86	0.99	1.12	1.14	1.14	1.10	1.08	1.05	1.02	0.98	0.95
Commercial Sector	**100.26**	**83.44**	**97.81**	**87.50**	**81.99**	**86.66**	**87.56**	**87.76**	**83.68**	**82.02**	**79.89**	**77.48**	**73.98**	**72.23**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	20.18	18.95	19.39	19.05	18.90	19.95	20.31	20.52	19.89	19.70	19.37	18.97	18.20	17.76
Natural Gas	75.28	58.81	70.48	58.83	55.53	58.46	58.96	58.80	55.47	53.95	52.15	50.14	47.45	46.15
RPP[2]	4.80	5.68	7.95	9.62	7.56	8.25	8.29	8.28	8.14	8.15	8.09	8.07	8.00	7.98
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.19	0.23	0.26	0.30	0.32	0.34
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**165.62**	**166.84**	**167.20**	**184.39**	**189.50**	**193.15**	**194.73**	**191.12**	**185.84**	**184.58**	**182.10**	**177.97**	**173.07**	**168.85**
Biomass	9.22	11.75	12.37	13.04	13.79	14.26	14.11	13.97	14.00	14.37	14.70	14.92	15.08	15.29
Coal, Coke & Coke Oven Gas	5.10	5.14	5.11	5.20	5.53	5.64	5.72	5.54	5.62	5.87	6.10	6.15	6.15	6.26
Electricity	28.17	28.69	28.45	30.81	30.55	31.50	32.26	32.25	32.02	32.19	32.22	31.89	31.14	30.60
Natural Gas	103.60	100.13	99.29	103.27	111.71	112.33	112.27	107.99	102.54	99.93	96.54	92.45	88.30	84.46
LPG & Petroleum Feedstocks	5.73	7.21	7.20	17.23	14.53	15.11	15.98	16.91	17.36	17.70	17.87	17.83	17.69	17.48
RPP[2]	7.42	7.34	8.14	8.15	6.78	7.26	7.32	7.41	7.38	7.48	7.59	7.63	7.62	7.61
Still Gas & Petroleum Coke	6.38	6.58	6.65	6.70	6.61	7.05	7.08	7.05	6.93	7.03	7.09	7.10	7.09	7.15
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
40.07	40.23	40.70	44.92	45.30	45.98	46.92	42.60	46.27	47.31	48.32	49.95	51.40	56.22	57.93	59.80	61.85
10.04	9.89	9.27	8.70	8.18	7.72	7.82	7.80	7.78	7.76	7.74	8.24	8.22	8.20	8.18	8.16	8.14
13.35	13.38	12.69	12.05	11.46	10.93	11.27	11.24	11.21	11.18	11.15	11.93	11.90	11.87	11.84	11.81	11.78
29.19	29.33	29.69	32.89	33.19	33.72	34.44	31.21	33.98	34.77	35.54	36.78	37.87	41.50	42.79	44.20	45.75
8.49	8.34	7.74	7.18	6.68	6.22	6.33	6.31	6.30	6.28	6.27	6.78	6.76	6.75	6.73	6.72	6.70
13.50	13.54	12.84	12.20	11.61	11.08	11.42	11.38	11.35	11.32	11.29	12.07	12.04	12.01	11.99	11.96	11.93
23.60	23.78	24.16	27.05	27.36	27.87	28.55	25.72	28.21	28.94	29.66	30.77	31.77	35.00	36.16	37.43	38.82
8.37	8.23	7.62	7.07	6.56	6.11	6.22	6.20	6.19	6.17	6.16	6.67	6.65	6.64	6.62	6.61	6.59
10.29	10.35	9.68	9.06	8.50	7.99	8.34	8.31	8.30	8.28	8.26	9.05	9.03	9.01	8.99	8.97	8.95
23.39	23.27	22.49	21.77	21.11	20.53	20.76	20.69	20.62	20.56	20.50	21.18	21.12	21.06	21.00	20.94	20.88
18.78	18.73	17.98	17.30	16.68	16.12	16.40	16.35	16.30	16.25	16.20	16.93	16.89	16.84	16.79	16.75	16.70

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
394.36	**387.22**	**378.83**	**370.56**	**362.17**	**355.12**	**348.92**	**344.23**	**338.20**	**333.63**	**330.17**	**326.75**	**325.03**	**322.51**	**319.44**	**316.62**	**314.66**
152.09	150.24	149.03	147.38	145.96	144.80	143.77	142.79	141.62	140.28	139.34	138.25	137.90	137.26	136.33	135.45	134.75
56.97	55.57	54.49	53.23	51.86	50.58	49.49	48.67	47.52	46.52	45.65	44.85	44.21	43.41	42.53	41.69	40.94
157.09	152.73	146.11	140.64	135.18	130.68	126.48	123.55	120.09	118.09	116.70	115.21	114.37	113.36	112.29	111.35	110.74
20.95	21.32	21.69	21.77	21.65	21.50	21.50	21.49	21.36	21.10	20.90	20.83	20.93	20.92	20.83	20.83	21.03
7.26	7.36	7.50	7.54	7.53	7.56	7.68	7.74	7.71	7.63	7.59	7.62	7.62	7.56	7.45	7.30	7.19
45.18	**44.57**	**44.15**	**43.42**	**42.80**	**42.15**	**41.41**	**40.82**	**40.16**	**39.38**	**38.72**	**37.96**	**37.50**	**36.97**	**36.43**	**35.93**	**35.51**
1.32	1.32	1.31	1.30	1.29	1.27	1.26	1.24	1.22	1.20	1.19	1.17	1.15	1.14	1.13	1.11	1.10
9.76	9.62	9.53	9.36	9.21	9.06	8.89	8.78	8.65	8.49	8.36	8.22	8.15	8.06	7.97	7.88	7.81
31.69	31.25	30.95	30.45	30.04	29.60	29.10	28.67	28.21	27.65	27.18	26.64	26.29	25.91	25.52	25.16	24.85
0.93	0.90	0.87	0.84	0.81	0.78	0.75	0.72	0.70	0.67	0.65	0.63	0.61	0.59	0.57	0.56	0.53
0.57	0.60	0.63	0.65	0.67	0.68	0.69	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.74	0.74
0.91	0.88	0.85	0.82	0.79	0.76	0.72	0.69	0.66	0.64	0.61	0.58	0.56	0.54	0.51	0.49	0.47
70.42	**69.09**	**67.04**	**65.84**	**64.30**	**63.11**	**61.63**	**61.15**	**59.58**	**59.38**	**59.21**	**58.87**	**58.77**	**58.46**	**58.15**	**57.91**	**57.83**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.27	16.91	16.41	16.00	15.53	15.12	14.69	14.45	14.02	13.82	13.62	13.41	13.24	13.03	12.82	12.63	12.47
44.83	43.82	42.22	41.40	40.30	39.50	38.40	38.13	36.97	36.96	36.98	36.85	36.88	36.77	36.66	36.59	36.65
7.95	7.97	8.00	8.01	8.02	8.04	8.07	8.09	8.09	8.09	8.10	8.10	8.11	8.12	8.12	8.13	8.15
0.37	0.39	0.41	0.43	0.44	0.45	0.47	0.48	0.49	0.50	0.51	0.53	0.54	0.54	0.55	0.56	0.56
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164.07	**160.03**	**154.54**	**149.03**	**143.44**	**138.66**	**135.16**	**131.91**	**128.76**	**125.80**	**123.62**	**121.97**	**120.82**	**119.37**	**117.57**	**115.86**	**114.58**
15.47	15.78	16.08	16.16	16.06	15.97	16.07	16.13	16.09	15.93	15.80	15.79	15.88	15.83	15.65	15.48	15.43
6.34	6.48	6.65	6.72	6.75	6.80	6.96	7.04	7.04	6.99	6.98	7.03	7.06	7.02	6.93	6.81	6.72
29.93	29.03	28.53	27.86	27.10	26.40	25.90	25.43	24.84	24.20	23.66	23.21	22.81	22.31	21.74	21.17	20.65
80.55	77.64	72.92	68.77	64.82	61.56	58.96	56.73	54.89	53.45	52.52	51.70	51.18	50.67	50.09	49.58	49.22
17.03	16.56	16.11	15.63	15.19	14.74	14.32	13.87	13.44	13.00	12.60	12.23	11.90	11.58	11.25	10.95	10.68
7.59	7.61	7.57	7.49	7.41	7.35	7.34	7.30	7.24	7.20	7.22	7.27	7.37	7.46	7.54	7.65	7.77
7.16	6.91	6.68	6.41	6.11	5.84	5.62	5.41	5.22	5.03	4.86	4.73	4.62	4.50	4.36	4.22	4.10
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**121.69**	**114.58**	**116.95**	**123.48**	**125.98**	**124.52**	**124.74**	**127.35**	**124.01**	**122.52**	**120.30**	**118.91**	**117.10**	**115.95**
Aviation Fuel	2.33	2.60	2.57	2.23	2.03	2.04	2.05	2.06	2.07	2.08	2.08	2.09	2.10	2.11
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.41	0.41	0.40	0.40	0.39	0.38
Diesel	59.47	52.16	54.25	58.61	61.69	61.62	62.45	62.78	61.49	61.28	60.69	60.08	59.22	58.78
Electric	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.10	3.04	3.01	2.97	2.92	2.87	2.85
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.41	0.49	0.28	0.20	0.24	0.23	0.21	0.20	0.18	0.16	0.15	0.13	0.12	0.10
Lubricants	0.94	0.88	0.85	0.81	0.79	0.81	0.84	0.86	0.86	0.87	0.88	0.90	0.90	0.91
Motor Gasoline	58.51	58.41	58.96	61.59	61.18	59.77	59.15	57.90	55.92	54.67	53.13	52.36	51.47	50.79
Natural Gas	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	436.60	413.16	431.71	441.30	442.21	453.67	457.57	457.56	443.40	438.18	430.36	421.81	410.85	403.01
Total Electric and Steam Energy Demand for Generation	174.61	183.90	183.37	205.21	206.67	184.99	186.74	187.14	182.56	185.58	161.95	157.16	138.12	133.50
Less Electricity and Steam Secondary Demand	58.15	57.58	58.04	60.30	59.77	62.15	63.52	63.86	62.67	62.48	61.97	61.14	59.45	58.30
Total Primary Demand	**553.06**	**539.48**	**557.04**	**586.21**	**589.11**	**576.52**	**580.80**	**580.84**	**563.27**	**561.28**	**530.34**	**517.84**	**489.51**	**478.20**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	241.25	224.28	237.25	245.50	245.54	243.09	245.14	241.13	230.06	227.62	218.48	211.64	204.06	198.37
RPP[1]	147.14	142.33	147.87	166.23	162.81	163.77	164.98	165.04	161.87	160.92	159.03	157.61	155.57	154.22
Coal, Coke and Coke Oven Gas	143.38	151.48	148.21	147.82	155.72	140.88	142.01	141.69	137.86	138.35	117.63	112.66	92.92	87.91
Hydro	10.96	8.60	10.20	12.29	9.88	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.89	11.89
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	10.33	12.78	13.51	14.37	15.16	17.29	17.19	21.50	22.00	22.90	23.70	24.45	25.08	25.80

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**13.99**	**13.44**	**14.30**	**14.21**	**13.80**	**13.80**	**13.49**	**13.17**	**12.74**	**12.37**	**11.98**	**11.63**	**11.30**	**11.00**
Residential (PJ/Personal Income)	2.30	2.29	2.38	2.14	2.01	2.18	2.13	2.08	2.04	1.99	1.95	1.89	1.84	1.79
Commercial (PJ/GO)	3.20	2.61	3.05	2.67	2.46	2.52	2.48	2.43	2.32	2.25	2.17	2.08	1.98	1.91
Industrial (PJ/GO)	6.35	6.80	7.07	7.98	7.70	7.49	7.33	7.07	6.78	6.56	6.32	6.08	5.87	5.65
Transportation (PJ/GDP)	3.90	3.73	3.88	3.98	3.93	3.79	3.68	3.67	3.56	3.46	3.35	3.28	3.22	3.16

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
114.69	**113.54**	**113.09**	**112.27**	**111.63**	**111.20**	**110.72**	**110.35**	**109.79**	**109.06**	**108.62**	**107.95**	**107.94**	**107.71**	**107.28**	**106.83**	**106.74**
2.12	2.13	2.13	2.14	2.15	2.16	2.17	2.18	2.19	2.19	2.20	2.21	2.22	2.23	2.24	2.25	2.26
0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.36	0.36	0.37
58.23	57.76	57.60	57.36	57.13	57.05	57.10	57.11	57.05	56.98	57.03	57.05	57.34	57.51	57.55	57.64	57.81
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2.85	2.86	2.88	2.86	2.81	2.74	2.63	2.54	2.46	2.37	2.31	2.26	2.27	2.31	2.41	2.58	2.83
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01
0.92	0.93	0.94	0.95	0.96	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04	1.05	1.07	1.08
50.08	49.38	49.05	48.49	48.11	47.83	47.39	47.08	46.66	46.09	45.65	45.00	44.68	44.21	43.63	43.00	42.36
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
394.36	387.22	378.83	370.56	362.17	355.12	348.92	344.23	338.29	333.63	330.17	326.75	325.03	322.51	319.44	316.62	314.66
127.14	110.56	106.48	102.29	97.86	92.48	88.41	86.49	83.97	81.60	79.38	77.38	75.84	74.06	72.03	69.91	68.13
56.97	56.57	54.49	53.23	51.86	50.58	49.49	48.67	47.52	46.52	45.65	44.85	44.21	43.41	42.53	41.69	40.94
464.53	**442.21**	**430.82**	**419.63**	**408.18**	**397.02**	**387.84**	**382.06**	**374.75**	**368.70**	**363.90**	**359.29**	**356.66**	**353.16**	**348.93**	**344.84**	**341.85**
192.65	209.03	202.79	197.30	191.83	187.21	182.24	178.70	173.66	170.26	167.60	164.96	163.16	160.99	158.49	155.53	154.47
152.39	150.53	149.32	147.66	146.24	145.09	144.05	143.07	141.90	140.57	139.62	138.54	138.18	137.54	136.62	135.74	135.04
81.11	43.43	38.68	34.14	29.35	23.78	20.33	18.85	17.65	16.36	15.14	14.09	13.28	12.38	11.43	10.94	9.29
11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.49	27.33	28.14	28.62	28.86	29.05	29.32	29.54	29.64	29.61	29.64	29.81	30.14	30.36	30.50	30.73	31.16

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
10.71	**10.40**	**10.07**	**9.77**	**9.49**	**9.24**	**8.98**	**8.77**	**8.56**	**8.38**	**8.21**	**8.04**	**7.89**	**7.74**	**7.60**	**7.46**	**7.33**
1.74	1.70	1.65	1.61	1.58	1.54	1.50	1.47	1.43	1.40	1.37	1.34	1.30	1.26	1.23	1.20	1.16
1.85	1.79	1.72	1.67	1.62	1.57	1.52	1.49	1.45	1.43	1.41	1.39	1.37	1.35	1.34	1.32	1.30
5.44	5.24	4.98	4.75	4.53	4.33	4.14	3.98	3.84	3.72	3.60	3.49	3.39	3.29	3.20	3.12	3.04
3.11	3.05	3.00	2.96	2.92	2.89	2.85	2.81	2.78	2.74	2.70	2.66	2.62	2.58	2.55	2.52	2.49

Table A2.28: Demand, Triple E, Yukon

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	43.51	32.89	40.44	32.54	30.08	30.74	28.74	32.75	39.77	39.84	42.11	39.18	36.44	33.91
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	11.73	14.53	14.41	15.07	14.09	13.17	12.33
Light Fuel Oil	13.90	15.14	13.80	15.45	15.40	18.94	19.99	19.17	18.98	18.82	19.87	18.76	17.71	16.75
Commercial														
Electricity	48.51	38.97	39.83	35.61	33.02	30.74	28.74	32.75	39.77	39.84	42.11	39.18	36.44	33.91
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	10.52	13.34	13.23	13.91	12.94	12.03	11.20
Light Fuel Oil	13.90	15.14	13.80	15.45	15.64	19.16	20.19	19.36	19.17	19.01	20.06	18.94	17.90	16.93
Industrial														
Electricity	13.98	11.54	19.08	19.56	17.91	16.67	15.58	17.76	21.57	21.61	22.83	21.25	19.76	18.38
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	9.75	12.58	12.47	13.15	12.19	11.29	10.47
Heavy Fuel Oil	9.22	10.04	9.16	10.26	10.31	14.20	15.60	14.96	14.81	14.69	15.77	14.70	13.70	12.78
Transportation														
Gasoline	29.64	29.87	29.97	29.97	29.97	32.50	32.54	31.21	30.90	30.65	31.49	30.27	29.10	28.01
Diesel	23.44	24.99	23.89	24.24	24.24	27.17	27.60	26.47	26.21	26.00	26.93	25.75	24.63	23.59

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**7.10**	**6.83**	**6.94**	**7.14**	**6.77**	**6.83**	**6.94**	**7.06**	**7.30**	**7.36**	**7.32**	**7.19**	**6.89**	**6.86**
RPP[1,2]	4.80	4.95	5.10	5.56	5.42	5.42	5.55	5.65	5.88	5.93	5.88	5.78	5.50	5.50
Electric	0.99	0.99	0.99	1.02	1.07	1.08	1.10	1.12	1.13	1.13	1.11	1.10	1.08	1.07
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.19	0.18	0.17	0.17	0.15	0.13	0.10	0.08
Biofuels & Emerging Energy[3]	0.06	0.07	0.07	0.09	0.11	0.09	0.10	0.11	0.12	0.13	0.17	0.18	0.19	0.21
Other[4]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Residential Sector	**0.93**	**0.86**	**0.93**	**1.11**	**1.30**	**1.07**	**1.13**	**1.17**	**1.20**	**1.21**	**1.20**	**1.19**	**1.18**	**1.18**
Biomass	0.06	0.07	0.06	0.09	0.11	0.09	0.10	0.10	0.11	0.12	0.12	0.12	0.12	0.12
Electricity	0.43	0.42	0.43	0.43	0.42	0.37	0.39	0.39	0.40	0.39	0.39	0.39	0.38	0.38
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.44	0.37	0.44	0.58	0.78	0.62	0.65	0.67	0.69	0.69	0.68	0.67	0.67	0.67
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**1.34**	**1.31**	**1.26**	**1.39**	**1.16**	**1.34**	**1.36**	**1.38**	**1.39**	**1.40**	**1.39**	**1.40**	**1.42**	**1.43**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Electricity	0.53	0.54	0.51	0.53	0.58	0.63	0.65	0.66	0.66	0.67	0.66	0.66	0.66	0.66
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.81	0.77	0.74	0.85	0.58	0.70	0.70	0.71	0.72	0.72	0.72	0.72	0.73	0.73
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Industrial Sector	**1.38**	**1.10**	**1.12**	**0.92**	**0.52**	**0.61**	**0.55**	**0.54**	**0.54**	**0.53**	**0.51**	**0.47**	**0.41**	**0.37**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.03	0.03	0.06	0.06	0.07	0.09	0.07	0.07	0.07	0.06	0.06	0.05	0.04	0.03
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.18	0.18	0.17	0.16	0.15	0.13	0.10	0.08
LPG & Petroleum Feedstocks	0.06	0.03	0.05	0.06	0.06	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.04
RPP	0.05	0.22	0.24	0.34	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
31.53	30.87	28.91	27.12	25.47	23.98	24.14	24.29	24.45	24.60	24.75	26.46	26.63	26.82	26.99	27.15	27.34
11.55	11.38	10.75	10.17	9.64	9.16	9.26	9.23	9.21	9.18	9.16	9.66	9.63	9.61	9.58	9.56	9.53
15.86	15.87	15.15	14.49	13.89	13.35	13.67	13.63	13.59	13.55	13.52	14.29	14.25	14.21	14.18	14.14	14.10
31.53	30.87	28.91	27.12	25.47	23.98	24.14	24.29	24.45	24.60	24.75	26.46	26.63	26.82	26.99	27.15	27.34
10.43	10.27	9.65	9.08	8.56	8.09	8.19	8.17	8.14	8.12	8.10	8.61	8.58	8.56	8.54	8.52	8.50
16.04	16.05	15.33	14.67	14.06	13.52	13.84	13.80	13.76	13.73	13.69	14.46	14.42	14.38	14.34	14.31	14.27
17.09	16.74	15.68	14.71	13.81	13.00	13.09	13.17	13.26	13.34	13.42	14.35	14.44	14.54	14.64	14.72	14.83
9.71	9.56	8.94	8.37	7.86	7.39	7.50	7.48	7.46	7.44	7.42	7.93	7.91	7.89	7.87	7.85	7.83
11.93	11.98	11.29	10.67	10.09	9.57	9.91	9.89	9.86	9.84	9.81	10.60	10.57	10.55	10.52	10.50	10.48
27.00	26.84	26.03	25.28	24.60	23.99	24.21	24.12	24.05	23.97	23.90	24.57	24.50	24.42	24.35	24.28	24.21
22.62	22.54	21.76	21.05	20.40	19.82	20.08	20.02	19.96	19.90	19.83	20.55	20.49	20.43	20.38	20.32	20.26

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.83	**6.82**	**6.87**	**6.89**	**6.91**	**7.02**	**7.30**	**7.42**	**7.35**	**7.27**	**7.32**	**7.33**	**7.37**	**7.41**	**7.45**	**7.50**	**7.60**
5.48	5.48	5.52	5.54	5.55	5.65	5.90	6.00	5.91	5.83	5.87	5.88	5.90	5.93	5.96	6.01	6.06
1.05	1.05	1.06	1.06	1.06	1.07	1.08	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.11	1.11	1.12
0.06	0.05	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.39
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
1.18	**1.19**	**1.20**	**1.20**	**1.19**	**1.20**	**1.22**	**1.22**	**1.23**	**1.22**	**1.21**	**1.21**	**1.21**	**1.21**	**1.21**	**1.21**	**1.21**
0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15
0.37	0.37	0.37	0.36	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.34	0.33	0.33
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.67	0.68	0.69	0.69	0.69	0.69	0.71	0.71	0.71	0.71	0.71	0.70	0.70	0.71	0.70	0.70	0.70
0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.43	**1.45**	**1.47**	**1.49**	**1.51**	**1.53**	**1.57**	**1.60**	**1.63**	**1.65**	**1.68**	**1.70**	**1.72**	**1.74**	**1.76**	**1.78**	**1.81**
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.74	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.78	0.78
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.73	0.74	0.75	0.77	0.77	0.79	0.80	0.82	0.83	0.84	0.86	0.87	0.88	0.90	0.91	0.92	0.94
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.35	**0.33**	**0.31**	**0.30**	**0.30**	**0.29**	**0.30**	**0.30**	**0.29**	**0.29**	**0.29**	**0.29**	**0.30**	**0.30**	**0.30**	**0.31**	**0.31**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.23	0.23	0.24	0.24	0.24	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.29	0.29
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**3.45**	**3.56**	**3.63**	**3.73**	**3.79**	**3.80**	**3.91**	**3.98**	**4.17**	**4.22**	**4.21**	**4.13**	**3.88**	**3.88**
Aviation Fuel	0.43	0.28	0.27	0.37	0.39	0.40	0.40	0.41	0.42	0.42	0.43	0.44	0.45	0.45
Biodiesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Diesel	1.46	1.68	1.78	1.75	2.06	2.11	2.18	2.23	2.40	2.46	2.44	2.38	2.15	2.16
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.04	0.04
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.02	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Lubricants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Gasoline	1.56	1.58	1.54	1.56	1.31	1.25	1.28	1.29	1.30	1.29	1.25	1.23	1.19	1.17
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	7.10	6.83	6.94	7.14	6.77	6.83	6.94	7.06	7.30	7.36	7.32	7.19	6.89	6.86
Total Electric and Steam Energy Demand for Generation	1.18	1.15	1.22	1.17	1.21	1.64	1.68	1.72	1.75	1.74	1.69	1.68	1.65	1.63
Less Electricity and Steam Secondary Demand	0.99	0.99	1.00	1.03	1.07	1.08	1.10	1.12	1.13	1.13	1.11	1.10	1.09	1.08
Total Primary Demand	**7.29**	**6.99**	**7.16**	**7.28**	**6.92**	**7.38**	**7.52**	**7.66**	**7.92**	**7.97**	**7.90**	**7.77**	**7.45**	**7.42**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.19	0.18	0.17	0.17	0.15	0.13	0.10	0.08
RPP	5.04	5.15	5.33	5.70	5.53	6.16	6.33	6.46	6.71	6.75	6.65	6.54	6.22	6.21
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.94	0.95	0.99	1.03	1.10	0.90	0.91	0.91	0.91	0.90	0.87	0.87	0.87	0.86
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.06	0.07	0.07	0.10	0.11	0.09	0.10	0.11	0.12	0.16	0.22	0.23	0.25	0.26

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**3.67**	**3.32**	**3.26**	**2.98**	**2.88**	**2.65**	**2.60**	**2.57**	**2.53**	**2.46**	**2.40**	**2.34**	**2.20**	**2.14**
Residential (PJ/Personal Income)	0.74	0.64	0.67	0.80	0.91	0.77	0.76	0.74	0.72	0.71	0.69	0.68	0.67	0.66
Commercial (PJ/GO)	0.78	0.72	0.66	0.71	0.58	0.64	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.58
Industrial (PJ/GO)	3.76	2.10	2.08	1.70	0.90	0.99	0.84	0.79	0.65	0.58	0.53	0.50	0.53	0.48
Transportation (PJ/GDP)	1.88	1.73	1.71	1.56	1.50	1.48	1.46	1.45	1.45	1.41	1.38	1.34	1.24	1.21

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
3.87	**3.87**	**3.89**	**3.90**	**3.91**	**4.00**	**4.22**	**4.30**	**4.19**	**4.11**	**4.14**	**4.14**	**4.14**	**4.16**	**4.17**	**4.20**	**4.28**
0.46	0.47	0.47	0.48	0.49	0.50	0.51	0.51	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.59
0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.07
2.16	2.15	2.17	2.18	2.18	2.26	2.44	2.50	2.39	2.32	2.34	2.34	2.34	2.34	2.35	2.37	2.40
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.05	0.06	0.07	0.07	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.14	1.13	1.13	1.12	1.10	1.10	1.12	1.12	1.12	1.10	1.10	1.09	1.08	1.08	1.08	1.07	1.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
6.83	6.82	6.87	6.89	6.91	7.02	7.30	7.42	7.35	7.27	7.32	7.33	7.37	7.41	7.45	7.50	7.60
1.59	1.59	1.61	1.61	1.60	1.61	1.66	1.68	1.69	1.69	1.70	1.70	1.72	1.73	1.74	1.75	1.75
1.06	1.06	1.07	1.07	1.07	1.08	1.09	1.10	1.11	1.11	1.11	1.11	1.12	1.13	1.13	1.13	1.14
7.36	**7.36**	**7.41**	**7.44**	**7.44**	**7.56**	**7.87**	**7.99**	**7.93**	**7.85**	**7.90**	**7.93**	**7.97**	**8.02**	**8.06**	**8.11**	**8.21**
0.06	0.05	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
6.16	6.17	6.21	6.24	6.25	6.36	6.64	6.75	6.67	6.59	6.63	6.64	6.68	6.72	6.75	6.80	6.85
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.85	0.85	0.86	0.86	0.85	0.85	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.90	0.90	0.90
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.27	0.28	0.29	0.30	0.31	0.32	0.34	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.44

2014	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
2.10	**2.06**	**2.02**	**1.98**	**1.96**	**1.94**	**1.93**	**1.91**	**1.86**	**1.81**	**1.78**	**1.75**	**1.72**	**1.69**	**1.66**	**1.64**	**1.63**
0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.50	0.49	0.48
0.57	0.57	0.56	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.54	0.54	0.54	0.53	0.53	0.53	0.53
0.44	0.40	0.38	0.36	0.34	0.31	0.28	0.26	0.28	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28
1.19	1.16	1.14	1.12	1.11	1.11	1.12	1.11	1.06	1.02	1.01	0.99	0.97	0.95	0.93	0.92	0.92

Table A2.29: Demand, Fortified Islands, Canada

Section 1: End Use Energy Prices (C$2005/GJ)

(demand weighted average of provincial prices)[1]	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	22.67	22.10	22.26	21.38	20.59	19.34	20.76	21.48	22.12	23.02	23.55	23.54	23.40	23.50
Natural Gas	8.87	9.58	9.70	9.62	9.82	10.67	11.61	12.82	14.79	14.83	14.34	14.05	13.74	13.48
Light Fuel Oil	14.29	14.19	13.13	15.18	15.22	18.77	19.83	19.58	19.98	20.41	20.23	20.04	19.83	19.62
Commercial														
Electricity	21.92	21.67	22.90	22.83	20.02	18.89	20.41	20.88	22.24	23.77	25.05	25.48	25.33	25.41
Natural Gas	6.71	7.39	7.49	7.59	7.71	8.70	9.80	11.13	13.51	13.89	13.77	13.64	13.50	13.34
Light Fuel Oil	13.78	13.88	12.74	14.74	14.91	18.47	19.55	19.31	19.70	20.13	19.95	19.75	19.54	19.32
Industrial														
Electricity	13.06	13.80	13.88	13.49	12.25	11.52	12.60	12.88	13.65	14.44	15.14	15.32	15.28	15.34
Natural Gas	3.62	4.04	6.05	5.26	5.38	6.51	7.76	9.16	11.54	11.92	11.81	11.68	11.55	11.40
Heavy Fuel Oil	8.92	9.07	8.27	9.52	9.64	13.59	15.03	14.90	15.25	15.70	15.52	15.35	15.17	14.95
Transportation														
Gasoline	27.00	27.18	27.22	27.24	27.23	29.95	30.17	29.50	29.79	30.14	29.86	29.57	29.25	28.92
Diesel	21.77	22.65	20.83	21.28	21.27	24.43	25.06	24.59	24.93	25.31	25.08	24.83	24.57	24.29

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**9 701.64**	**9 537.54**	**9 928.07**	**10 172.72**	**10 416.37**	**10 547.69**	**10 685.63**	**10 826.62**	**10 828.68**	**10 848.58**	**10 830.37**	**10 955.38**	**11 048.98**	**11 297.96**
RPP[2,3]	3 874.66	3 972.63	4 098.26	4 240.19	4 422.31	4 442.23	4 482.72	4 589.10	4 647.74	4 681.78	4 745.40	4 831.76	4 895.95	5 077.24
Electric	1 803.57	1 798.62	1 851.86	1 874.41	1 884.99	1 930.50	1 958.75	1 976.67	1 973.92	1 970.99	1 958.62	1 973.40	1 991.00	2 008.63
Natural Gas	3 146.66	2 940.88	3 100.46	3 167.82	3 211.24	3 284.91	3 360.02	3 368.48	3 316.45	3 317.57	3 258.83	3 275.11	3 272.11	3 309.76
Biofuels & Emerging Energy[4]	635.05	589.69	636.99	647.23	661.70	639.75	633.18	649.88	647.17	639.80	633.05	641.92	657.83	671.20
Other[5]	241.70	235.73	240.49	243.07	236.14	250.30	250.96	242.48	243.40	238.44	234.47	233.19	232.09	231.13
Residential Sector	**1 391.99**	**1 338.23**	**1 390.77**	**1 447.68**	**1 425.07**	**1 475.85**	**1 512.89**	**1 550.82**	**1 539.70**	**1 546.48**	**1 549.73**	**1 557.79**	**1 568.63**	**1 574.98**
Biomass	104.16	98.53	104.37	109.51	111.91	114.84	118.17	121.90	122.63	124.32	125.78	127.84	130.39	132.48
Electricity	497.64	504.87	517.53	532.76	543.66	555.26	569.94	584.77	583.04	586.59	588.56	592.65	598.31	602.00
Natural Gas	644.82	600.97	640.21	670.18	651.08	683.89	703.16	722.51	714.48	717.44	718.74	722.24	726.28	728.47
RPP	143.76	132.51	127.69	134.26	117.34	120.64	120.40	120.43	118.38	116.99	115.51	113.95	112.56	110.96
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	1.61	1.35	0.97	0.97	1.07	1.21	1.22	1.21	1.17	1.15	1.13	1.11	1.09	1.07
Commercial Sector	**1 368.71**	**1 341.10**	**1 425.79**	**1 443.90**	**1 458.96**	**1 506.30**	**1 525.25**	**1 536.04**	**1 507.60**	**1 501.42**	**1 491.55**	**1 492.79**	**1 495.91**	**1 499.57**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	466.15	457.63	488.33	486.05	492.32	517.72	526.98	534.49	531.87	533.48	533.01	536.13	539.84	542.45
Natural Gas	722.13	688.49	729.56	702.46	679.48	701.29	705.97	704.50	679.06	667.92	656.06	648.89	643.00	638.91
RPP	180.05	194.45	207.57	255.04	286.74	286.78	291.80	296.55	296.18	299.53	302.00	307.31	312.62	317.76
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.38	0.60	0.32	0.34	0.42	0.51	0.51	0.51	0.49	0.48	0.47	0.45	0.45	0.44
Industrial Sector	**4 453.21**	**4 393.03**	**4 612.43**	**4 704.06**	**4 853.77**	**4 868.40**	**4 928.00**	**4 979.20**	**5 056.89**	**5 086.00**	**5 081.76**	**5 184.86**	**5 243.70**	**5 462.23**
Biomass	530.89	491.15	532.62	537.72	549.78	524.90	515.00	506.18	502.67	493.38	485.14	492.07	505.62	517.12
Coal, Coke & Coke Oven Gas	204.90	197.43	204.12	204.18	195.46	207.72	208.25	200.34	201.87	197.42	194.33	193.44	192.91	192.64
Electricity	836.66	833.05	842.65	852.21	845.56	854.13	858.50	854.07	855.77	847.71	833.87	841.45	849.68	861.01
Natural Gas	1 777.34	1 649.44	1 728.94	1 793.43	1 878.92	1 898.03	1 949.24	1 939.81	1 921.40	1 930.76	1 882.63	1 902.62	1 901.50	1 941.08
LPG & Petroleum Feedstocks	363.19	462.48	506.00	491.03	579.01	560.42	568.03	577.93	582.79	596.35	610.30	629.03	644.86	670.62
RPP	325.22	317.21	296.47	325.60	324.92	328.91	327.93	324.75	321.20	320.73	318.76	320.38	323.00	325.14
Still Gas & Petroleum Coke	380.19	405.91	466.55	462.31	440.92	453.44	460.08	535.70	631.32	660.25	718.18	767.69	788.49	917.65
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	34.82	36.36	35.08	37.59	39.19	41.36	40.98	40.42	39.87	39.39	38.54	38.18	37.64	36.98

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
24.58	24.73	24.82	24.78	24.94	25.34	25.63	25.95	26.32	26.90	27.40	27.83	28.31	28.87	29.49	30.08	30.72
13.23	12.97	12.74	12.51	12.33	12.22	12.12	12.04	11.93	11.83	11.73	11.64	11.54	11.45	11.36	11.26	11.16
19.41	19.23	19.08	18.93	18.80	18.70	18.62	18.55	18.49	18.43	18.37	18.31	18.26	18.20	18.14	18.08	18.02
27.24	27.59	27.88	28.00	28.32	28.93	29.30	29.71	30.18	31.27	31.92	32.41	33.06	33.77	34.58	35.34	36.21
13.20	13.06	12.95	12.85	12.75	12.68	12.62	12.57	12.54	12.50	12.45	12.41	12.38	12.34	12.30	12.26	12.22
19.11	18.92	18.76	18.61	18.47	18.37	18.28	18.21	18.14	18.08	18.01	17.95	17.89	17.82	17.76	17.70	17.63
16.22	16.42	16.60	16.65	16.82	17.14	17.31	17.48	17.76	18.34	18.70	18.97	19.31	19.70	20.17	20.63	21.14
11.24	11.12	11.03	10.94	10.85	10.79	10.75	10.70	10.66	10.62	10.58	10.56	10.53	10.49	10.46	10.43	10.40
14.77	14.60	14.46	14.34	14.23	14.14	14.07	14.00	13.94	13.89	13.83	13.78	13.73	13.68	13.63	13.58	13.53
28.60	28.32	28.09	27.86	27.66	27.49	27.37	27.25	27.16	27.06	26.96	26.86	26.77	26.67	26.57	26.48	26.38
24.02	23.78	23.58	23.39	23.21	23.08	22.97	22.87	22.79	22.70	22.61	22.53	22.45	22.37	22.29	22.20	22.13

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11 420.47	**11 660.81**	**11 817.37**	**11 931.02**	**12 015.87**	**12 114.99**	**12 288.01**	**12 358.41**	**12 376.05**	**12 404.80**	**12 427.81**	**12 467.20**	**12 509.49**	**12 532.93**	**12 544.06**	**12 553.25**	**12 580.14**
5 138.96	5 280.21	5 402.92	5 496.91	5 576.83	5 663.76	5 780.03	5 872.56	5 932.14	5 993.68	6 051.97	6 108.86	6 176.92	6 238.39	6 291.37	6 345.79	6 407.74
2 012.33	2 022.94	2 030.42	2 036.06	2 035.81	2 040.11	2 047.61	2 040.87	2 026.83	2 011.33	1 999.16	1 990.17	1 986.43	1 975.29	1 967.95	1 942.68	1 930.62
3 363.69	3 444.75	3 464.13	3 476.17	3 479.20	3 481.36	3 522.36	3 510.66	3 492.77	3 486.82	3 470.39	3 464.11	3 443.93	3 425.15	3 412.60	3 392.84	3 377.82
677.64	685.83	694.42	699.86	704.79	713.13	722.33	724.78	723.56	721.64	722.26	724.99	729.76	729.73	725.98	723.45	723.40
227.86	227.09	225.47	222.03	219.23	216.63	215.78	209.54	200.76	191.34	184.03	179.07	172.46	164.36	156.16	148.49	140.57
1 575.90	**1 585.98**	**1 597.90**	**1 606.28**	**1 611.30**	**1 616.49**	**1 622.38**	**1 626.50**	**1 626.96**	**1 625.99**	**1 624.09**	**1 621.76**	**1 622.92**	**1 622.10**	**1 618.62**	**1 614.19**	**1 609.43**
134.01	136.25	138.66	140.86	142.47	144.21	145.92	147.40	148.54	149.40	150.16	150.92	152.13	153.07	153.68	154.22	154.75
602.86	607.04	611.89	615.60	617.52	619.53	621.78	623.32	623.41	622.63	621.37	619.90	619.78	618.73	616.47	613.77	610.83
728.87	733.53	738.96	742.39	745.21	747.85	750.84	752.98	753.20	753.30	753.00	752.35	753.04	752.99	751.91	750.37	748.69
109.11	108.12	107.36	106.42	105.10	103.91	102.86	101.84	100.86	99.72	98.64	97.67	97.07	96.42	95.69	94.97	94.31
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.05	1.04	1.03	1.01	1.00	0.99	0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.89	0.88	0.86	0.85
1 498.43	**1 509.99**	**1 518.20**	**1 528.01**	**1 537.11**	**1 546.07**	**1 562.21**	**1 568.34**	**1 571.95**	**1 581.84**	**1 590.69**	**1 600.50**	**1 611.13**	**1 621.60**	**1 633.72**	**1 645.14**	**1 660.32**
0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07
541.98	544.22	546.12	548.36	549.35	550.39	552.33	552.81	552.28	552.00	551.58	550.83	550.76	550.14	549.09	548.12	547.87
634.10	637.30	637.72	639.03	641.35	643.06	650.20	650.10	648.75	652.96	655.97	660.45	664.51	669.02	675.70	681.30	688.88
321.91	327.99	333.88	340.14	345.95	352.15	359.21	364.96	370.40	376.36	382.62	388.69	395.31	401.88	408.37	415.17	423.01
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.44	0.45	0.44	0.44	0.44	0.43	0.43	0.43	0.45	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.48
5 572.58	**5 759.51**	**5 865.87**	**5 932.66**	**5 977.56**	**6 031.78**	**6 146.60**	**6 181.14**	**6 176.07**	**6 176.10**	**6 170.91**	**6 181.26**	**6 185.11**	**6 175.87**	**6 158.83**	**6 141.43**	**6 135.82**
522.29	528.30	534.51	537.86	541.31	547.99	555.55	556.58	554.21	551.42	551.18	552.94	556.13	554.77	549.99	546.54	545.62
190.24	188.25	186.48	183.54	180.28	178.07	176.47	170.75	162.60	153.90	147.15	141.78	135.44	127.73	119.98	112.69	105.08
864.37	868.50	869.20	868.86	865.70	866.91	870.18	861.41	847.79	833.33	822.83	816.04	812.45	802.96	788.91	777.30	768.42
1 999.45	2 072.67	2 086.19	2 093.50	2 091.40	2 089.20	2 119.98	2 106.34	2 089.57	2 079.31	2 060.18	2 050.06	2 025.12	2 001.88	1 983.73	1 959.91	1 938.98
680.79	700.38	715.34	733.20	745.36	758.80	773.53	782.67	788.79	795.12	802.37	809.43	819.73	828.42	835.30	842.61	851.44
325.45	332.20	335.43	338.73	342.74	345.94	350.60	353.23	354.45	356.31	358.98	361.99	365.45	368.12	370.57	373.55	378.08
953.91	1 031.85	1 101.17	1 139.90	1 173.24	1 207.70	1 262.35	1 312.74	1 341.88	1 370.64	1 392.70	1 413.07	1 435.09	1 456.68	1 475.50	1 494.33	1 514.02
0.00	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03
36.13	37.35	37.52	37.04	37.51	37.14	37.90	37.40	36.75	36.05	35.51	35.91	35.66	35.28	34.82	34.46	34.16

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**2 487.74**	**2 465.10**	**2 499.08**	**2 577.08**	**2 678.57**	**2 697.14**	**2 719.50**	**2 760.49**	**2 724.50**	**2 714.80**	**2 707.34**	**2 719.92**	**2 740.75**	**2 761.18**
Aviation Fuel	195.11	172.29	188.17	194.92	210.17	212.86	215.58	218.34	221.13	223.97	226.85	229.77	232.73	235.73
Diesel	889.20	866.51	859.88	908.26	966.21	984.79	1 002.30	1 011.15	1 001.28	999.34	997.74	1 005.31	1 014.59	1 024.39
Electric	3.12	3.08	3.35	3.39	3.46	3.39	3.35	3.34	3.24	3.20	3.17	3.17	3.17	3.17
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.81	21.86	22.10	22.13	22.00	21.81	21.59
Heavy Fuel Oil	28.41	33.86	34.63	35.20	36.29	36.65	37.02	37.39	37.76	38.14	38.52	38.91	39.29	39.69
LPG	15.92	17.03	12.36	11.88	12.67	12.03	11.38	10.71	9.86	9.18	8.53	7.93	7.39	6.90
Lubricants	11.70	11.91	12.91	13.62	13.23	13.61	14.09	14.60	14.75	15.04	15.30	15.69	16.10	16.48
Motor Gasoline	1 341.90	1 358.46	1 386.04	1 408.06	1 434.79	1 432.10	1 434.13	1 441.54	1 413.09	1 402.38	1 393.70	1 395.79	1 404.34	1 411.94
Natural Gas	2.37	1.96	1.74	1.75	1.75	1.71	1.66	1.60	1.51	1.45	1.39	1.36	1.33	1.30

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	9 701.64	9 537.54	9 928.07	10 172.72	10 416.37	10 547.69	10 685.63	10 826.62	10 828.68	10 848.59	10 830.37	10 955.38	11 045.98	11 297.96
Total Electric and Steam Energy Demand for Generation	3 694.00	3 666.56	3 617.04	3 690.23	3 775.88	4 012.04	4 040.55	4 097.08	4 030.70	3 926.66	3 893.46	3 938.16	3 943.97	3 958.69
Less Electricity and Steam Secondary Demand	1 838.70	1 835.30	1 887.26	1 912.34	1 924.60	1 972.37	2 000.24	2 017.59	2 014.28	2 010.86	1 997.62	2 012.03	2 029.08	2 046.05
Total Primary Demand	**11 556.94**	**11 368.80**	**11 657.85**	**11 950.61**	**12 267.66**	**12 587.36**	**12 725.94**	**12 906.10**	**12 844.60**	**12 764.38**	**12 726.20**	**12 881.50**	**12 963.87**	**13 210.60**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	3 444.01	3 252.05	3 366.04	3 459.41	3 495.05	3 696.40	3 802.70	3 829.04	3 782.56	3 792.87	3 749.14	3 771.86	3 772.60	3 827.50
RPP	4 005.36	4 129.72	4 226.67	4 399.41	4 610.19	4 648.59	4 706.04	4 809.33	4 854.50	4 874.89	4 937.91	5 026.02	5 067.80	5 250.35
Coal, Coke and Coke Oven Gas	1 394.19	1 366.67	1 348.18	1 415.83	1 289.24	1 180.72	1 149.54	1 145.86	1 113.52	1 025.96	936.74	904.21	871.33	853.63
Hydro	1 280.43	1 189.61	1 251.53	1 205.26	1 216.99	1 261.82	1 272.61	1 283.19	1 293.89	1 328.60	1 348.70	1 348.70	1 365.51	1 368.53
Nuclear	796.63	839.30	826.52	819.53	988.77	1 086.49	1 085.40	1 095.87	1 043.36	976.62	979.79	1 034.34	1 058.58	1 053.82
Biofuels & Emerging Energy	636.32	591.45	638.91	651.18	667.42	713.34	709.66	742.81	756.78	765.44	773.92	796.37	828.04	856.77

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.56**	**9.24**	**9.32**	**9.34**	**9.26**	**9.09**	**8.92**	**8.80**	**8.68**	**8.50**	**8.41**	**8.31**	**8.18**	**8.10**
Residential (PJ/Personal Income)	1.76	1.66	1.72	1.78	1.71	1.73	1.71	1.68	1.66	1.63	1.61	1.58	1.54	1.51
Commercial (PJ/GO)	1.26	1.21	1.25	1.24	1.21	1.20	1.18	1.16	1.13	1.10	1.08	1.05	1.03	1.02
Industrial (PJ/GO)	5.24	5.21	5.33	5.40	5.34	5.30	5.08	4.96	4.89	4.82	4.75	4.71	4.61	4.68
Transportation (PJ/GDP)	2.45	2.39	2.35	2.36	2.38	2.32	2.27	2.24	2.18	2.14	2.10	2.06	2.03	2.00

[1] Please note that there is no Canadian end use price for the various fuels. The prices shown here are a demand weighted average of provincial prices included for interest only. Fuel demand and prices vary widely across provinces. The Canadian weighted average could lead to some unintuitive results.

[2] Refined Petroleum Products (RPP)

[3] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[4] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[5] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2 773.57	**2 805.33**	**2 835.40**	**2 864.06**	**2 889.90**	**2 920.65**	**2 956.83**	**2 982.44**	**3 001.07**	**3 020.87**	**3 042.12**	**3 063.67**	**3 090.33**	**3 113.36**	**3 132.88**	**3 152.49**	**3 174.57**
238.77	241.86	244.99	248.16	251.38	254.65	257.96	261.32	264.73	268.18	271.69	275.24	278.85	282.51	286.22	289.98	293.80
1 029.77	1 044.60	1 055.28	1 066.35	1 075.71	1 087.34	1 103.36	1 111.54	1 116.37	1 122.96	1 131.15	1 139.74	1 148.86	1 156.42	1 163.40	1 170.80	1 180.60
3.16	3.18	3.21	3.23	3.25	3.28	3.31	3.34	3.35	3.37	3.39	3.40	3.43	3.45	3.47	3.48	3.50
21.33	21.23	21.20	21.09	20.96	20.88	20.80	20.73	20.72	20.73	20.82	21.01	21.39	21.78	22.19	22.58	22.92
40.08	40.48	40.89	41.30	41.71	42.13	42.55	42.97	43.40	43.84	44.28	44.72	45.17	45.62	46.07	46.54	47.00
6.44	6.08	5.77	5.48	5.22	4.99	4.80	4.63	4.48	4.35	4.24	4.15	4.07	4.00	3.94	3.89	3.85
16.79	17.20	17.61	17.99	18.37	18.77	19.18	19.54	19.85	20.15	20.47	20.78	21.15	21.49	21.79	22.10	22.43
1 415.94	1 429.44	1 445.20	1 459.21	1 472.06	1 487.37	1 503.62	1 517.12	1 526.93	1 536.05	1 544.84	1 553.38	1 566.16	1 576.83	1 584.53	1 591.86	1 599.20
1.27	1.26	1.25	1.25	1.24	1.24	1.25	1.25	1.25	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.27

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11 420.47	11 660.81	11 817.37	11 931.02	12 015.87	12 114.99	12 288.01	12 358.41	12 376.05	12 404.80	12 427.81	12 467.20	12 509.49	12 532.93	12 544.06	12 553.25	12 580.14
3 936.55	3 976.66	4 006.45	4 011.88	4 046.14	4 041.91	4 031.61	4 051.90	4 033.64	4 024.33	4 031.11	4 024.78	4 014.89	4 002.09	3 985.72	3 967.09	3 962.80
2 048.89	2 060.73	2 068.37	2 073.52	2 073.75	2 077.68	2 085.92	2 078.69	2 064.01	2 047.81	2 035.10	2 026.51	2 022.51	2 011.00	1 993.20	1 977.57	1 965.22
13 308.14	**13 576.74**	**13 755.44**	**13 869.38**	**13 988.25**	**14 079.22**	**14 233.69**	**14 331.62**	**14 345.69**	**14 381.32**	**14 423.82**	**14 465.46**	**14 501.86**	**14 524.02**	**14 536.58**	**14 542.76**	**14 577.72**
3 893.70	3 988.68	4 010.05	4 025.09	4 015.84	4 023.20	4 079.85	4 066.77	4 046.56	4 030.21	4 005.43	3 996.11	3 973.88	3 951.34	3 931.82	3 907.86	3 885.60
5 319.85	5 455.28	5 583.75	5 679.26	5 754.53	5 843.75	5 951.36	6 050.87	6 110.28	6 167.03	6 189.80	6 243.46	6 313.14	6 373.06	6 418.65	6 472.04	6 536.81
828.42	802.39	768.74	742.45	720.91	714.79	700.04	671.10	649.64	637.87	607.86	592.78	573.16	556.86	536.62	520.46	499.86
1 368.83	1 413.55	1 417.69	1 419.03	1 447.93	1 448.77	1 448.82	1 483.91	1 483.65	1 483.37	1 483.09	1 482.75	1 482.50	1 482.21	1 481.92	1 481.67	1 481.47
1 019.41	1 016.38	1 053.08	1 063.97	1 093.83	1 075.02	1 061.30	1 054.87	1 043.30	1 043.13	1 108.04	1 108.68	1 103.39	1 095.46	1 096.93	1 083.11	1 087.10
877.93	900.47	922.13	939.57	955.21	973.69	992.31	1 004.11	1 012.27	1 019.72	1 029.61	1 041.68	1 055.80	1 065.08	1 070.64	1 077.61	1 086.88

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.14	**8.13**	**8.08**	**8.00**	**7.92**	**7.84**	**7.79**	**7.72**	**7.64**	**7.56**	**7.47**	**7.39**	**7.30**	**7.22**	**7.14**	**7.05**	**6.95**
1.49	1.46	1.43	1.40	1.38	1.35	1.32	1.30	1.28	1.25	1.23	1.21	1.19	1.16	1.14	1.12	1.10
1.00	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.85
4.68	4.73	4.72	4.69	4.65	4.60	4.59	4.57	4.55	4.53	4.49	4.46	4.41	4.38	4.35	4.31	4.26
1.98	1.96	1.94	1.92	1.90	1.89	1.87	1.86	1.85	1.84	1.83	1.82	1.80	1.79	1.78	1.77	1.75

Table A2.30: Demand, Fortified Islands, Alberta

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	27.09	27.26	29.50	29.94	26.14	26.79	28.46	26.49	28.63	30.61	32.79	34.72	33.92	33.24
Natural Gas	4.79	6.75	6.72	5.40	5.53	6.70	7.97	9.38	11.75	12.15	12.04	11.93	11.80	11.67
Light Fuel Oil	11.46	11.74	10.96	12.56	12.53	16.27	17.51	17.36	17.77	18.22	18.05	17.88	17.69	17.49
Commercial														
Electricity	22.63	26.68	29.76	38.27	30.37	30.07	33.22	30.00	33.90	37.62	41.90	45.72	44.68	43.82
Natural Gas	3.91	5.90	5.45	4.48	4.59	5.83	7.16	8.60	10.99	11.39	11.29	11.18	11.06	10.94
Light Fuel Oil	11.46	11.74	10.96	12.56	12.71	16.44	17.67	17.51	17.92	18.37	18.20	18.03	17.83	17.63
Industrial														
Electricity	14.55	18.68	17.56	17.05	13.93	13.99	15.13	13.81	15.27	16.66	18.25	19.66	19.19	18.80
Natural Gas	1.80	2.59	5.08	4.01	4.06	5.34	6.70	8.16	10.55	10.96	10.86	10.76	10.64	10.52
Heavy Fuel Oil	7.60	7.79	7.27	8.35	8.40	12.43	13.96	13.95	14.39	14.87	14.73	14.59	14.44	14.28
Transportation														
Gasoline	24.12	24.06	24.21	24.21	24.21	27.14	27.57	27.01	27.32	27.69	27.44	27.18	26.88	26.59
Diesel	19.03	20.25	18.14	18.85	18.85	22.15	22.95	22.58	22.93	23.34	23.13	22.91	22.66	22.41

Section 2: Secondary Demand (petajoules)
(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**2 325.14**	**2 365.74**	**2 416.61**	**2 542.22**	**2 682.60**	**2 717.56**	**2 822.91**	**2 933.14**	**3 016.87**	**3 086.35**	**3 122.97**	**3 229.57**	**3 275.51**	**3 480.07**
RPP[1,2]	780.09	888.50	888.20	928.06	1 026.26	989.67	1 021.92	1 124.19	1 220.65	1 264.49	1 337.12	1 406.37	1 440.59	1 592.34
Electric	199.50	203.09	208.25	195.85	202.16	207.13	210.52	210.68	209.21	210.82	209.35	211.25	212.49	216.79
Natural Gas	1 277.77	1 204.29	1 245.23	1 338.86	1 378.97	1 448.61	1 519.29	1 528.22	1 517.03	1 542.53	1 509.23	1 543.68	1 552.38	1 599.38
Biofuels & Emerging Energy[3]	56.50	57.40	64.15	68.61	66.05	63.32	62.45	61.55	61.66	60.34	59.33	60.48	62.46	64.18
Other[4]	11.28	12.45	10.77	10.84	9.17	8.83	8.74	8.50	8.32	8.17	7.94	7.78	7.59	7.38
Residential Sector	**188.90**	**170.32**	**188.40**	**190.26**	**189.45**	**200.13**	**208.97**	**216.65**	**213.04**	**214.83**	**216.26**	**218.52**	**220.54**	**222.62**
Biomass	0.46	0.43	0.48	0.46	0.45	0.47	0.49	0.52	0.52	0.53	0.55	0.57	0.59	0.61
Electricity	25.56	27.80	28.76	27.14	27.54	28.90	30.29	31.73	31.41	32.01	32.54	33.28	33.98	34.76
Natural Gas	160.35	139.77	157.00	160.78	159.81	169.12	176.57	182.82	179.62	180.85	181.79	183.37	184.73	186.08
RPP[2]	1.88	1.77	1.76	1.76	1.58	1.57	1.54	1.50	1.43	1.38	1.32	1.25	1.19	1.12
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.65	0.55	0.40	0.11	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.05	0.05
Commercial Sector	**242.86**	**251.32**	**269.38**	**277.43**	**305.77**	**315.63**	**323.38**	**328.21**	**321.50**	**321.90**	**321.80**	**324.70**	**327.76**	**332.19**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	51.82	52.67	53.31	46.64	52.58	53.53	54.86	56.01	55.48	55.83	55.88	56.36	56.86	57.52
Natural Gas	143.63	148.20	170.55	171.77	171.24	176.39	179.07	179.43	172.31	169.72	167.21	165.84	164.84	164.92
RPP[2]	47.41	50.45	45.52	59.02	81.87	85.62	89.35	92.66	93.62	96.25	98.62	102.40	105.96	109.66
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Industrial Sector	**1 498.41**	**1 527.81**	**1 559.47**	**1 660.61**	**1 752.09**	**1 765.69**	**1 838.18**	**1 921.91**	**2 022.19**	**2 084.34**	**2 115.65**	**2 208.39**	**2 243.62**	**2 433.16**
Biomass	56.04	56.97	63.67	68.15	65.60	62.84	61.96	61.03	61.14	59.81	58.79	59.91	61.87	63.57
Coal, Coke & Coke Oven Gas	0.59	0.73	0.64	0.93	0.59	0.71	0.73	0.72	0.74	0.73	0.73	0.75	0.78	0.81
Electricity	121.86	122.36	125.77	121.63	121.51	124.18	124.84	122.39	121.78	122.44	120.39	121.07	121.09	123.95
Natural Gas	973.69	916.23	917.60	1 006.22	1 047.84	1 103.03	1 163.57	1 165.90	1 165.04	1 191.91	1 160.19	1 194.44	1 202.78	1 248.36
LPG & Petroleum Feedstocks	141.59	224.51	224.57	238.37	295.26	260.15	263.05	269.68	272.64	281.57	292.20	302.98	310.66	327.20
RPP[2]	28.82	30.36	24.99	26.39	28.01	28.34	30.76	33.06	33.62	35.11	36.12	37.92	38.68	39.77
Still Gas & Petroleum Coke	165.77	165.48	192.50	189.13	184.87	178.48	185.44	261.52	359.81	385.49	440.19	484.43	501.10	623.09
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	10.04	11.17	9.73	9.80	8.42	7.95	7.84	7.61	7.42	7.27	7.04	6.88	6.65	6.42

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
36.88	37.00	37.20	37.38	37.67	38.65	38.70	39.18	39.29	41.83	41.93	41.44	41.50	41.49	41.60	41.56	41.63
11.54	11.43	11.33	11.24	11.16	11.10	11.05	11.01	10.97	10.93	10.89	10.85	10.81	10.78	10.74	10.70	10.66
17.30	17.13	16.99	16.86	16.73	16.64	16.56	16.50	16.44	16.38	16.32	16.27	16.21	16.15	16.10	16.04	15.99
50.75	51.24	51.87	52.44	53.23	55.25	55.58	56.64	57.04	61.83	62.22	61.52	61.81	61.97	62.31	62.39	62.66
10.82	10.72	10.63	10.54	10.47	10.41	10.36	10.32	10.28	10.25	10.21	10.17	10.14	10.10	10.07	10.03	10.00
17.44	17.27	17.13	16.99	16.87	16.77	16.70	16.63	16.58	16.52	16.46	16.40	16.34	16.29	16.23	16.17	16.12
21.41	21.55	21.75	21.93	22.19	22.93	23.03	23.40	23.53	25.35	25.47	25.17	25.26	25.30	25.41	25.42	25.50
10.41	10.31	10.22	10.14	10.07	10.01	9.96	9.92	9.89	9.86	9.82	9.79	9.75	9.72	9.68	9.65	9.62
14.12	13.98	13.87	13.76	13.66	13.58	13.52	13.47	13.42	13.37	13.32	13.28	13.23	13.18	13.14	13.09	13.05
26.30	26.04	25.83	25.62	25.44	25.29	25.18	25.08	24.99	24.90	24.81	24.73	24.64	24.55	24.47	24.38	24.30
22.17	21.95	21.77	21.60	21.44	21.32	21.22	21.14	21.06	20.99	20.92	20.84	20.77	20.70	20.62	20.55	20.48

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 604.68	**3 768.37**	**3 868.49**	**3 937.15**	**3 996.96**	**4 052.29**	**4 140.40**	**4 202.55**	**4 235.44**	**4 273.31**	**4 299.44**	**4 316.52**	**4 331.35**	**4 348.74**	**4 361.59**	**4 374.43**	**4 392.50**
1 645.14	1 750.09	1 835.55	1 893.12	1 944.28	1 995.18	2 071.38	2 137.79	2 178.71	2 223.40	2 259.74	2 293.23	2 327.75	2 362.17	2 393.96	2 425.10	2 458.89
219.85	223.49	225.03	225.88	226.81	227.44	228.51	227.63	226.63	225.67	224.91	223.82	223.03	222.27	221.35	220.66	220.42
1 667.59	1 722.38	1 735.20	1 745.52	1 753.21	1 756.42	1 766.51	1 763.41	1 757.17	1 752.15	1 743.03	1 727.62	1 708.29	1 692.33	1 675.18	1 658.26	1 643.11
65.00	65.55	66.03	66.13	66.36	67.13	68.01	67.92	67.37	66.80	66.66	66.94	67.52	67.39	66.70	66.19	66.00
7.11	6.86	6.69	6.49	6.29	6.13	5.99	5.79	5.55	5.30	5.09	4.91	4.76	4.59	4.40	4.23	4.07
224.01	**227.40**	**230.24**	**232.70**	**235.32**	**237.60**	**240.50**	**242.59**	**244.01**	**245.70**	**247.08**	**248.36**	**249.62**	**250.85**	**252.00**	**252.73**	**253.45**
0.62	0.65	0.67	0.69	0.71	0.72	0.74	0.76	0.77	0.79	0.80	0.81	0.82	0.84	0.85	0.85	0.86
35.35	36.28	37.10	37.88	38.73	39.53	40.48	41.24	41.87	42.54	43.17	43.81	44.47	45.14	45.82	46.42	47.03
186.93	189.42	191.47	193.18	194.98	196.48	198.46	199.82	200.63	201.68	202.45	203.11	203.73	204.31	204.81	204.96	205.08
1.06	1.01	0.96	0.91	0.87	0.82	0.78	0.74	0.70	0.67	0.63	0.60	0.57	0.54	0.51	0.48	0.46
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
335.68	**343.74**	**348.97**	**354.72**	**361.00**	**366.81**	**375.52**	**379.21**	**381.72**	**387.71**	**393.18**	**399.01**	**403.88**	**409.20**	**415.61**	**421.49**	**428.79**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.75	58.45	58.99	59.56	60.15	60.72	61.54	61.90	62.21	62.65	63.13	63.62	64.07	64.58	65.13	65.71	66.50
164.78	167.98	168.79	170.01	171.63	172.76	176.08	175.85	174.63	176.34	177.38	178.93	179.68	180.73	182.82	184.25	186.34
113.05	117.22	121.09	125.06	129.12	133.22	137.80	141.35	144.78	148.62	152.57	156.35	160.02	163.78	167.56	171.43	175.84
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
2 545.47	**2 684.20**	**2 768.91**	**2 819.96**	**2 860.68**	**2 898.35**	**2 962.01**	**3 009.52**	**3 032.16**	**3 053.30**	**3 064.54**	**3 066.73**	**3 068.24**	**3 071.75**	**3 069.53**	**3 068.96**	**3 071.32**
64.38	64.90	65.36	65.45	65.65	66.41	67.27	67.16	66.60	66.01	65.86	66.13	66.70	66.55	65.86	65.33	65.14
0.83	0.83	0.85	0.86	0.88	0.90	0.93	0.94	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.84	0.82
126.18	128.19	128.35	127.86	127.33	126.57	125.87	123.87	121.91	119.84	117.96	115.74	113.84	111.89	109.74	107.85	106.20
1 315.86	1 364.96	1 374.93	1 382.32	1 386.60	1 387.16	1 391.95	1 387.73	1 381.91	1 374.13	1 363.19	1 345.57	1 324.87	1 307.28	1 287.54	1 269.05	1 251.70
333.32	346.59	354.98	365.53	372.16	379.12	386.95	392.35	396.59	401.89	406.96	411.36	417.29	422.97	428.09	433.17	439.28
40.92	42.90	43.55	44.71	45.97	46.99	48.57	50.14	50.75	51.90	52.88	53.63	54.41	55.15	55.82	56.53	57.40
657.85	729.95	795.19	827.75	856.81	886.11	935.55	982.61	1 008.98	1 034.37	1 052.72	1 069.52	1 086.50	1 103.45	1 118.20	1 132.92	1 147.66
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.14	5.88	5.70	5.49	5.28	5.10	4.93	4.73	4.50	4.27	4.07	3.89	3.75	3.59	3.42	3.27	3.13

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**394.97**	**416.29**	**399.35**	**413.92**	**435.29**	**436.11**	**452.38**	**466.38**	**460.14**	**465.28**	**469.26**	**477.96**	**483.58**	**492.08**
Aviation Fuel	30.03	31.54	29.17	28.73	29.98	30.58	31.19	31.81	32.45	33.10	33.76	34.43	35.12	35.82
Diesel	185.20	193.46	179.31	198.60	214.00	213.34	[illegible].84	230.35	227.68	231.03	233.35	238.19	240.52	245.10
Electric	0.26	0.26	0.41	0.43	0.52	0.52	0.54	0.55	0.54	0.54	0.54	0.55	0.56	0.56
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	4.41	4.39	3.47	3.08	2.98	2.76	2.59	2.41	2.17	1.98	1.79	1.60	1.43	1.27
Lubricants	1.57	1.39	1.29	1.40	1.47	1.50	1.58	1.66	1.67	1.72	1.77	1.84	1.89	1.96
Motor Gasoline	173.40	185.15	185.61	181.58	186.24	187.33	193.57	199.53	195.57	196.85	198.01	201.31	204.03	207.34
Natural Gas	0.10	0.10	0.09	0.09	0.09	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.03	0.03

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	2325.14	2365.74	2416.60	2542.22	2682.60	2717.56	2822.91	2933.14	3016.87	3086.35	3122.97	3229.57	3275.51	3480.06
Total Electric and Steam Energy Demand for Generation	602.85	619.06	591.06	589.94	584.25	680.78	655.63	649.35	635.04	631.89	636.15	635.13	615.36	623.58
Less Electricity and Steam Secondary Demand	209.53	214.26	217.98	205.65	210.66	215.17	218.45	218.39	216.73	218.19	216.49	218.23	219.25	223.31
Total Primary Demand	**2 718.45**	**2 770.54**	**2 789.68**	**2 926.51**	**3 056.20**	**3 183.17**	**3 260.09**	**3 364.10**	**3 435.18**	**3 500.05**	**3 542.63**	**3 646.46**	**3 671.62**	**3 880.34**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1 395.05	1 307.32	1 329.88	1 423.79	1 461.41	1 623.78	1 702.45	1 718.09	1 707.05	1 734.22	1 698.91	1 732.13	1 747.10	1 797.40
RPP	780.49	888.87	888.54	928.58	1 026.82	990.63	1 022.45	1 124.72	1 221.17	1 265.01	1 337.65	1 415.58	1 449.81	1 601.55
Coal, Coke and Coke Oven Gas	479.45	510.83	499.75	496.26	490.70	481.38	448.68	434.60	418.24	411.98	417.64	410.13	382.87	386.40
Hydro	6.32	5.16	6.19	6.28	6.75	6.82	6.82	6.82	8.40	8.40	8.40	8.40	8.40	8.40
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	57.14	58.37	65.33	71.61	70.51	80.56	79.70	79.87	80.31	80.43	80.03	80.21	83.43	86.59

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**18.68**	**18.43**	**18.54**	**19.01**	**19.34**	**19.05**	**18.82**	**18.77**	**19.08**	**18.91**	**18.63**	**18.58**	**18.26**	**18.76**
Residential (PJ/Personal Income)	2.32	1.94	2.16	2.19	2.07	2.13	2.10	2.05	2.02	1.97	1.93	1.87	1.83	1.78
Commercial (PJ/GO)	2.06	2.05	2.13	2.15	2.31	2.28	2.24	2.19	2.13	2.08	2.03	1.98	1.94	1.90
Industrial (PJ/GO)	13.87	13.65	14.31	15.32	15.35	15.61	15.29	15.35	15.85	15.87	15.71	15.85	15.75	16.65
Transportation (PJ/GDP)	3.17	3.24	3.06	3.10	3.14	3.06	3.02	2.98	2.91	2.85	2.80	2.75	2.70	2.65

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
499.53	**513.02**	**520.38**	**529.77**	**539.96**	**549.53**	**562.37**	**571.24**	**577.55**	**586.60**	**594.63**	**602.42**	**609.61**	**616.94**	**624.45**	**631.25**	**638.94**
36.54	37.27	38.02	38.78	39.55	40.34	41.15	41.97	42.81	43.67	44.54	45.43	46.34	47.27	48.21	49.18	50.16
249.08	256.98	259.66	264.20	269.40	273.96	280.80	285.02	287.46	292.01	295.82	299.46	302.51	305.66	309.05	312.10	315.89
0.57	0.58	0.58	0.59	0.60	0.61	0.62	0.63	0.63	0.64	0.64	0.65	0.66	0.66	0.67	0.67	0.68
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.13	1.01	0.90	0.80	0.71	0.63	0.56	0.49	0.44	0.39	0.34	0.30	0.27	0.24	0.21	0.18	0.16
2.02	2.10	2.16	2.22	2.29	2.36	2.43	2.49	2.55	2.61	2.66	2.72	2.78	2.84	2.89	2.95	3.01
210.17	215.07	219.04	223.15	227.39	231.63	236.80	240.62	243.66	247.29	250.62	253.84	257.05	260.27	263.41	266.16	269.03
0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3604.68	3768.37	3868.49	3937.15	3996.96	4052.29	4140.40	4202.55	4235.44	4273.31	4299.44	4316.52	4331.35	4348.73	4361.59	4374.43	4392.50
628.15	634.41	636.84	623.92	627.88	622.60	623.45	611.45	604.20	597.21	590.18	585.58	578.26	574.03	564.13	558.75	552.16
226.09	229.47	230.82	231.48	232.19	232.63	233.54	232.46	231.23	230.04	229.08	227.81	226.88	225.96	224.88	224.03	223.65
4 006.74	**4 173.31**	**4 274.51**	**4 329.59**	**4 387.64**	**4 442.25**	**4 530.31**	**4 581.54**	**4 608.40**	**4 640.49**	**4 660.54**	**4 674.29**	**4 682.73**	**4 696.81**	**4 700.85**	**4 709.15**	**4 721.00**
1 865.59	1 923.67	1 936.49	1 953.24	1 964.15	1 967.34	1 980.62	1 977.37	1 971.07	1 965.92	1 960.00	1 944.57	1 925.23	1 909.26	1 895.38	1 878.45	1 863.29
1 657.64	1 762.59	1 851.34	1 918.18	1 969.34	2 023.52	2 099.72	2 175.41	2 219.61	2 264.30	2 300.64	2 334.13	2 371.93	2 406.35	2 438.14	2 469.28	2 506.36
386.27	388.08	386.35	357.14	352.50	348.60	345.97	324.51	313.65	306.40	295.91	290.99	280.07	275.50	261.98	256.25	246.04
8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.84	90.56	91.93	92.63	93.25	94.39	95.60	95.85	95.67	95.47	95.58	96.19	97.11	97.30	96.95	96.76	96.91

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
18.88	**19.01**	**19.00**	**18.81**	**18.56**	**18.31**	**18.12**	**18.02**	**17.84**	**17.61**	**17.34**	**17.05**	**16.80**	**16.56**	**16.29**	**16.05**	**15.78**
1.73	1.69	1.65	1.62	1.58	1.55	1.51	1.48	1.46	1.43	1.40	1.37	1.35	1.32	1.30	1.27	1.25
1.86	1.84	1.81	1.79	1.77	1.74	1.72	1.70	1.67	1.65	1.63	1.62	1.60	1.58	1.57	1.56	1.55
17.05	17.47	17.77	17.73	17.63	17.52	17.48	17.44	17.45	17.37	17.24	17.08	16.91	16.78	16.66	16.53	16.37
2.62	2.59	2.56	2.53	2.51	2.48	2.46	2.45	2.43	2.42	2.40	2.38	2.36	2.35	2.33	2.32	2.30

Table A2.31: Demand, Fortified Islands, British Columbia

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	18.62	17.79	17.86	16.90	16.34	15.13	18.48	17.91	18.07	18.74	19.29	19.54	19.56	19.76
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	12.11	14.46	14.84	14.70	14.56	14.40	14.24
Light Fuel Oil	12.36	12.66	11.83	13.57	13.52	17.18	18.36	18.17	18.57	19.02	18.84	18.67	18.46	18.26
Commercial														
Electricity	16.92	16.36	16.32	15.32	13.57	12.61	15.63	15.14	15.27	15.86	16.35	16.57	16.59	16.78
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	10.91	13.27	13.66	13.53	13.40	13.26	13.11
Light Fuel Oil	12.36	12.66	11.83	13.57	13.73	17.39	18.55	18.35	18.75	19.19	19.02	18.84	18.63	18.43
Industrial														
Electricity	11.38	10.86	10.93	10.27	9.58	8.93	11.08	10.68	10.78	11.19	11.54	11.69	11.71	11.84
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	10.13	12.51	12.90	12.78	12.66	12.52	12.38
Heavy Fuel Oil	8.20	8.42	7.85	9.00	9.06	13.03	14.52	14.49	14.92	15.40	15.26	15.11	14.95	14.78
Transportation														
Gasoline	28.07	28.12	28.13	28.13	28.13	30.79	30.96	30.25	30.53	30.88	30.60	30.31	29.98	29.65
Diesel	21.30	22.94	20.98	21.67	21.67	24.77	25.38	24.91	25.24	25.63	25.40	25.16	24.88	24.61

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**1 203.30**	**1 176.37**	**1 172.18**	**1 162.28**	**1 185.25**	**1 178.21**	**1 190.21**	**1 188.49**	**1 171.31**	**1 164.07**	**1 161.94**	**1 166.36**	**1 176.81**	**1 186.62**
RPP[1,2]	394.60	389.83	393.81	394.22	417.14	430.15	440.65	445.45	439.56	439.71	442.48	446.38	451.72	457.49
Electric	216.36	208.03	208.41	213.84	217.60	220.20	223.46	224.53	223.76	223.89	224.64	226.17	229.13	231.60
Natural Gas	353.56	359.75	353.16	328.98	327.70	306.10	305.54	301.31	291.63	286.65	282.68	278.49	275.44	272.43
Biofuels & Emerging Energy[3]	220.71	196.66	196.99	203.62	199.42	192.59	189.25	186.08	185.12	181.69	179.11	181.92	187.01	191.29
Other[4]	18.14	22.10	19.81	21.62	23.38	29.17	31.31	31.12	31.24	32.13	33.04	33.40	33.51	33.81
Residential Sector	**150.13**	**147.90**	**148.27**	**143.02**	**144.37**	**152.86**	**158.89**	**162.63**	**161.15**	**161.99**	**163.90**	**164.44**	**166.23**	**167.63**
Biomass	6.67	6.75	6.89	6.53	6.41	6.87	7.18	7.43	7.43	7.57	7.77	7.93	8.16	8.37
Electricity	58.31	58.23	60.04	59.16	63.12	65.71	68.18	69.93	69.60	70.27	71.38	71.89	72.95	73.80
Natural Gas	78.58	76.08	79.28	75.22	72.59	77.96	81.21	82.99	81.92	82.01	82.65	82.59	83.16	83.57
RPP[5]	6.57	6.84	2.06	2.11	2.25	2.33	2.32	2.28	2.20	2.15	2.10	2.03	1.96	1.89
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**150.43**	**158.25**	**160.94**	**139.09**	**138.63**	**152.98**	**155.02**	**156.06**	**152.81**	**152.13**	**152.23**	**151.36**	**151.68**	**151.94**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	50.64	51.95	51.91	50.94	48.73	54.85	55.88	56.83	56.84	57.49	58.52	58.92	59.86	60.59
Natural Gas	91.40	96.16	94.98	76.06	76.11	83.13	83.91	83.83	80.59	79.10	77.91	76.56	75.71	75.04
RPP[5]	8.34	9.86	14.06	17.09	13.79	15.01	15.23	15.41	15.37	15.54	15.81	15.87	16.11	16.31
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.06	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**562.49**	**542.39**	**526.18**	**539.89**	**539.69**	**496.74**	**490.50**	**478.62**	**471.25**	**463.77**	**456.98**	**458.43**	**462.03**	**465.28**
Biomass	214.04	189.91	190.10	197.08	193.01	185.73	182.07	178.65	177.69	174.13	171.34	174.00	178.85	182.92
Coal, Coke & Coke Oven Gas	15.22	19.14	19.61	21.32	21.35	27.25	29.44	29.32	29.49	30.43	31.42	31.86	32.06	32.46
Electricity	106.90	97.43	95.94	103.20	105.26	99.15	98.90	97.26	96.82	95.62	94.23	94.84	95.81	96.70
Natural Gas	183.01	187.23	178.74	177.54	178.85	144.86	140.28	134.37	129.01	125.44	122.03	119.26	116.50	113.76
LPG & Petroleum Feedstocks	3.82	5.13	6.19	4.37	4.36	3.74	3.67	3.73	3.13	3.02	2.90	2.80	2.68	2.59
RPP[5]	20.34	24.48	19.39	20.79	19.83	20.12	20.60	20.61	20.20	20.24	20.20	20.66	20.91	21.35
Still Gas & Petroleum Coke	16.21	16.38	16.01	15.29	15.00	13.97	13.66	13.39	13.17	13.19	13.23	13.48	13.77	14.15
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	2.87	2.68	0.20	0.30	2.03	1.92	1.87	1.80	1.74	1.70	1.62	1.54	1.45	1.35

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
19.88	19.80	20.06	19.96	20.23	20.54	20.24	20.44	20.68	20.95	21.24	21.55	21.89	22.23	22.62	23.05	23.51
14.09	13.95	13.84	13.73	13.63	13.55	13.49	13.44	13.39	13.34	13.29	13.25	13.20	13.16	13.11	13.06	13.02
18.06	17.88	17.74	17.60	17.47	17.37	17.29	17.22	17.16	17.10	17.04	16.98	16.92	16.86	16.80	16.74	16.69
16.88	16.82	17.05	16.96	17.21	17.48	17.22	17.40	17.62	17.85	18.11	18.39	18.69	18.99	19.34	19.72	20.13
12.97	12.84	12.74	12.64	12.55	12.47	12.42	12.37	12.33	12.28	12.24	12.20	12.15	12.11	12.07	12.03	11.98
18.23	18.05	17.90	17.76	17.63	17.53	17.45	17.38	17.32	17.26	17.20	17.14	17.08	17.02	16.96	16.90	16.84
11.91	11.87	12.03	11.97	12.14	12.33	12.15	12.28	12.43	12.59	12.77	12.96	13.17	13.38	13.62	13.89	14.17
12.25	12.13	12.03	11.93	11.85	11.78	11.73	11.68	11.64	11.60	11.56	11.52	11.48	11.44	11.40	11.36	11.32
14.62	14.48	14.36	14.25	14.14	14.06	14.00	13.94	13.90	13.85	13.80	13.75	13.70	13.65	13.61	13.56	13.51
29.32	29.04	28.80	28.57	28.36	28.20	28.07	27.96	27.87	27.77	27.67	27.57	27.48	27.38	27.28	27.19	27.09
24.34	24.11	23.91	23.72	23.55	23.41	23.30	23.21	23.13	23.05	22.97	22.89	22.81	22.73	22.65	22.57	22.49

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 189.90	**1 200.35**	**1 211.10**	**1 218.75**	**1 226.47**	**1 236.77**	**1 250.59**	**1 257.91**	**1 265.16**	**1 272.32**	**1 282.31**	**1 291.92**	**1 303.26**	**1 311.60**	**1 317.17**	**1 322.88**	**1 330.66**
461.17	468.34	475.19	481.81	488.46	495.74	504.55	512.06	517.97	524.53	531.72	538.32	545.56	552.12	558.01	563.86	570.06
232.71	234.57	236.74	238.22	239.50	241.11	243.22	244.18	244.52	244.59	245.10	245.67	246.74	246.92	246.34	245.81	245.62
268.90	267.68	266.78	265.35	264.24	263.49	263.87	262.39	264.36	266.04	268.15	269.89	271.74	273.90	275.85	277.62	279.73
193.18	195.46	197.79	198.73	199.63	201.88	204.36	204.69	203.86	202.95	202.97	203.67	204.78	204.28	202.57	201.26	200.86
33.94	34.28	34.61	34.63	34.67	34.55	34.59	34.58	34.45	34.22	34.37	34.37	34.43	34.38	34.41	34.34	34.40
168.59	**170.50**	**172.77**	**174.57**	**176.27**	**177.91**	**179.74**	**181.61**	**183.19**	**184.60**	**185.87**	**186.95**	**188.34**	**189.50**	**190.34**	**191.01**	**191.55**
8.56	8.79	9.04	9.27	9.49	9.71	9.94	10.16	10.36	10.55	10.73	10.90	11.08	11.25	11.39	11.52	11.65
74.42	75.46	76.63	77.60	78.50	79.34	80.30	81.26	82.08	82.79	83.42	83.95	84.60	85.13	85.49	85.75	85.94
83.79	84.49	85.39	86.05	86.68	87.32	88.01	88.74	89.35	89.90	90.40	90.82	91.42	91.93	92.30	92.60	92.87
1.82	1.76	1.71	1.65	1.60	1.54	1.49	1.44	1.40	1.36	1.31	1.27	1.24	1.20	1.17	1.13	1.10
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151.83	**152.99**	**154.12**	**155.16**	**156.44**	**157.45**	**159.40**	**160.25**	**162.59**	**164.31**	**165.81**	**167.46**	**169.03**	**170.61**	**172.21**	**173.64**	**175.41**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.09	61.89	62.75	63.56	64.32	64.99	65.83	66.55	67.25	67.92	68.54	69.08	69.65	70.13	70.50	70.86	71.28
74.28	74.41	74.41	74.38	74.63	74.70	75.51	75.35	76.69	77.44	77.98	78.77	79.41	80.14	81.01	81.70	82.63
16.46	16.69	16.96	17.22	17.49	17.75	18.06	18.35	18.65	18.96	19.29	19.62	19.98	20.34	20.69	21.07	21.50
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
464.38	**465.53**	**466.71**	**465.83**	**464.70**	**466.00**	**468.46**	**466.39**	**464.31**	**462.49**	**463.40**	**464.48**	**466.53**	**466.40**	**464.36**	**462.92**	**463.11**
184.62	186.67	188.75	189.46	190.14	192.16	194.42	194.53	193.50	192.40	192.24	192.77	193.70	193.03	191.18	189.73	189.21
32.69	33.13	33.53	33.64	33.72	33.74	33.85	33.92	33.85	33.68	33.89	33.94	34.04	34.04	34.10	34.07	34.16
96.68	96.71	96.83	96.53	96.15	96.24	96.53	95.80	94.62	93.31	92.55	92.05	91.89	91.06	89.73	88.58	87.77
110.78	108.74	106.94	104.89	102.90	101.44	100.33	98.28	98.30	98.68	98.75	100.28	100.90	101.83	102.53	103.30	104.22
2.53	2.49	2.43	2.37	2.32	2.26	2.23	2.17	2.14	2.13	2.12	2.08	2.05	2.02	2.00	1.96	1.92
21.57	22.14	22.43	22.95	23.41	23.95	24.73	25.32	25.59	26.06	26.66	27.17	27.69	28.16	28.59	29.05	29.60
14.27	14.50	14.72	14.99	15.17	15.39	15.63	15.71	15.71	15.69	15.71	15.76	15.87	15.92	15.93	15.95	16.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.25	1.16	1.07	0.99	0.90	0.81	0.74	0.66	0.60	0.54	0.48	0.43	0.38	0.34	0.30	0.27	0.24

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**340.33**	**327.84**	**336.78**	**340.28**	**362.57**	**375.63**	**385.81**	**391.17**	**386.11**	**386.18**	**388.83**	**392.13**	**396.81**	**401.77**
Aviation Fuel	47.46	36.62	43.38	38.80	43.41	44.02	44.64	45.26	45.90	46.54	47.19	47.85	48.52	49.20
Diesel	116.78	116.57	118.83	124.03	131.94	140.16	144.95	146.83	144.04	143.54	144.02	145.85	147.54	149.51
Electric	0.43	0.42	0.52	0.54	0.50	0.50	0.51	0.51	0.50	0.50	0.51	0.51	0.51	0.51
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	6.42	8.39	8.48	8.95	9.13	9.22	9.32	9.41	9.50	9.60	9.69	9.79	9.89	9.99
LPG	4.91	5.02	4.60	4.17	4.15	4.09	3.99	3.86	3.65	3.49	3.37	3.25	3.17	3.10
Lubricants	1.90	1.81	2.03	2.03	2.03	2.12	2.21	2.28	2.30	2.35	2.41	2.47	2.54	2.61
Motor Gasoline	161.86	158.73	158.80	161.61	171.24	175.38	180.06	182.89	180.11	180.06	181.56	182.32	184.57	186.80
Natural Gas	0.58	0.28	0.16	0.16	0.16	0.15	0.14	0.13	0.11	0.10	0.09	0.08	0.07	0.06

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	1203.38	1176.37	1172.18	1162.28	1185.25	1178.21	1190.21	1188.49	1171.31	1164.07	1161.94	1166.36	1176.81	1186.62
Total Electric and Steam Energy Demand for Generation	257.41	227.62	226.64	220.36	210.93	279.76	284.68	285.50	286.20	288.87	295.88	299.18	307.37	311.31
Less Electricity and Steam Secondary Demand	219.23	210.71	208.61	214.13	219.64	222.12	225.33	226.33	225.50	225.59	226.26	227.71	230.58	232.95
Total Primary Demand	**1 241.56**	**1 193.28**	**1 190.21**	**1 168.50**	**1 176.54**	**1 235.84**	**1 249.56**	**1 247.66**	**1 232.01**	**1 227.34**	**1 231.56**	**1 237.83**	**1 253.60**	**1 264.99**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	392.14	407.52	366.84	343.30	340.78	348.22	346.21	340.92	329.40	323.90	321.83	317.77	319.73	316.66
RPP	396.54	392.45	394.26	394.66	417.42	431.34	441.85	446.64	440.76	440.91	443.68	447.58	452.92	458.69
Coal, Coke and Coke Oven Gas	15.28	19.42	19.61	21.32	21.35	27.25	29.44	29.32	29.49	30.43	31.42	31.86	32.06	32.46
Hydro	216.89	177.24	212.51	205.60	197.57	213.10	219.48	219.48	219.48	219.48	221.42	221.42	221.42	222.89
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	220.71	196.66	196.99	203.62	199.42	215.92	212.58	211.30	212.87	212.62	213.22	219.21	227.48	234.29

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.82**	**9.48**	**9.24**	**8.89**	**8.85**	**8.43**	**8.24**	**8.02**	**7.84**	**7.66**	**7.50**	**7.35**	**7.22**	**7.11**
Residential (PJ/Personal Income)	1.47	1.44	1.44	1.38	1.36	1.38	1.36	1.34	1.32	1.30	1.28	1.25	1.23	1.20
Commercial (PJ/GO)	1.04	1.07	1.07	0.91	0.88	0.93	0.91	0.90	0.87	0.85	0.83	0.81	0.79	0.77
Industrial (PJ/GO)	7.30	7.38	7.19	6.15	6.13	5.45	5.15	4.90	4.73	4.57	4.43	4.29	4.19	4.09
Transportation (PJ/GDP)	2.78	2.64	2.65	2.60	2.71	2.69	2.67	2.64	2.59	2.54	2.51	2.47	2.43	2.41

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non-energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
405.09	**411.33**	**417.50**	**423.19**	**429.06**	**435.42**	**443.00**	**449.66**	**455.08**	**460.92**	**467.23**	**473.03**	**479.35**	**485.10**	**490.26**	**495.32**	**500.59**
49.89	50.59	51.30	52.01	52.74	53.48	54.23	54.99	55.76	56.54	57.33	58.13	58.95	59.77	60.61	61.46	62.32
150.57	153.21	155.02	157.06	159.03	161.32	164.49	166.81	168.18	170.10	172.53	174.65	176.75	178.56	180.21	181.87	183.81
0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.59	0.59	0.60	0.61	0.61	0.62	0.62
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.09	10.19	10.29	10.39	10.50	10.60	10.71	10.81	10.92	11.03	11.14	11.25	11.37	11.48	11.60	11.71	11.83
3.02	2.98	2.95	2.93	2.91	2.90	2.90	2.90	2.90	2.91	2.92	2.93	2.95	2.97	2.98	3.00	3.02
2.67	2.74	2.82	2.89	2.96	3.03	3.11	3.18	3.25	3.32	3.39	3.46	3.54	3.61	3.67	3.74	3.81
188.29	191.05	194.56	197.34	200.36	203.51	206.97	210.38	213.46	216.42	219.31	221.99	225.19	228.09	230.58	232.92	235.17
0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1189.90	1200.35	1211.10	1218.75	1226.46	1236.77	1250.59	1257.91	1265.16	1272.32	1282.31	1291.92	1303.26	1311.60	1317.17	1322.89	1330.66
312.91	315.65	317.82	319.72	334.17	335.67	337.10	338.38	339.58	340.75	341.97	343.21	344.51	345.70	346.78	347.87	349.01
233.96	235.73	237.81	239.21	240.40	241.92	243.96	244.85	245.11	245.13	245.58	246.10	247.13	247.26	246.64	246.08	245.86
1 268.85	**1 280.27**	**1 291.11**	**1 299.26**	**1 320.23**	**1 330.51**	**1 343.74**	**1 351.48**	**1 359.63**	**1 367.94**	**1 378.70**	**1 389.02**	**1 400.65**	**1 410.04**	**1 417.31**	**1 424.67**	**1 433.81**
312.84	311.16	310.67	309.51	305.72	305.09	305.66	304.22	306.15	307.75	309.84	311.57	313.49	315.59	317.38	319.00	321.01
462.36	469.54	476.39	483.00	489.65	496.93	505.74	513.26	519.17	525.72	532.91	539.51	546.76	553.31	559.20	565.04	571.25
32.69	33.13	33.53	33.64	33.72	33.74	33.85	33.92	33.85	33.68	33.89	33.94	34.04	34.04	34.10	34.07	34.16
222.89	224.21	224.21	224.21	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85	239.85
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
238.06	242.23	246.32	248.89	251.29	254.91	258.63	260.21	260.62	260.95	262.21	264.15	266.51	267.25	266.78	266.71	267.55

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.00	**6.89**	**6.79**	**6.69**	**6.59**	**6.50**	**6.42**	**6.33**	**6.25**	**6.17**	**6.10**	**6.03**	**5.96**	**5.89**	**5.82**	**5.74**	**5.67**
1.18	1.16	1.14	1.12	1.10	1.08	1.06	1.04	1.02	1.01	0.99	0.97	0.95	0.94	0.92	0.91	0.89
0.76	0.75	0.73	0.72	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.66	0.65	0.64	0.64	0.63	0.62
4.00	3.90	3.83	3.74	3.67	3.61	3.54	3.47	3.43	3.38	3.34	3.31	3.28	3.25	3.22	3.18	3.15
2.38	2.36	2.34	2.32	2.30	2.29	2.27	2.26	2.25	2.23	2.22	2.21	2.19	2.18	2.17	2.15	2.13

Table A2.32: Demand, Fortified Islands, Manitoba

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	17.91	17.33	16.55	15.61	14.56	13.32	15.33	14.39	14.53	15.33	15.25	15.17	15.96	16.33
Natural Gas	9.41	9.42	9.24	9.41	9.66	10.55	11.52	12.79	15.13	15.50	15.36	15.21	15.05	14.88
Light Fuel Oil	7.22	7.57	7.77	7.85	7.85	11.91	13.48	13.49	13.94	14.42	14.29	14.15	14.00	13.85
Commercial														
Electricity	15.56	15.60	13.96	14.32	13.51	12.36	15.26	14.20	14.37	15.40	15.32	15.24	16.28	16.78
Natural Gas	6.60	7.25	6.58	7.05	7.23	8.29	9.44	10.78	13.15	13.54	13.41	13.28	13.14	13.00
Light Fuel Oil	7.22	7.57	7.77	7.85	7.97	12.02	13.58	13.59	14.04	14.52	14.39	14.25	14.09	13.94
Industrial														
Electricity	10.55	9.92	12.11	9.79	8.72	7.87	9.49	8.85	8.94	9.54	9.49	9.44	10.05	10.34
Natural Gas	5.48	6.10	5.95	6.10	6.23	7.36	8.57	9.96	12.33	12.72	12.61	12.49	12.35	12.21
Heavy Fuel Oil	4.79	5.03	5.16	5.21	5.28	9.52	11.26	11.37	11.83	12.33	12.22	12.11	11.97	11.84
Transportation														
Gasoline	26.46	26.26	26.23	26.23	26.23	29.02	29.31	28.68	28.98	29.33	29.07	28.79	28.48	28.16
Diesel	21.17	22.75	20.97	21.30	21.30	24.43	25.07	24.61	24.94	25.34	25.10	24.87	24.60	24.32

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**257.38**	**246.31**	**256.50**	**256.09**	**261.59**	**264.24**	**269.78**	**271.36**	**269.40**	**267.17**	**264.27**	**265.91**	**264.81**	**264.53**
RPP[1,2]	102.80	101.57	101.53	104.60	107.46	107.38	110.14	111.15	111.31	110.61	109.66	111.13	110.25	110.31
Electric	57.55	58.10	59.75	61.85	62.64	63.58	65.35	66.18	66.05	65.86	65.51	66.06	66.36	66.48
Natural Gas	86.67	76.45	84.80	79.05	80.80	82.45	83.48	83.27	81.34	80.06	78.54	78.00	77.29	76.68
Biofuels & Emerging Energy[3]	8.36	8.21	8.37	8.49	8.58	8.64	8.65	8.65	8.62	8.59	8.56	8.71	8.88	9.03
Other[3]	1.99	1.98	2.06	2.09	2.11	2.20	2.16	2.11	2.08	2.05	2.01	2.01	2.02	2.03
Residential Sector	**48.50**	**46.06**	**47.92**	**48.04**	**48.41**	**49.34**	**50.96**	**51.95**	**51.72**	**51.78**	**51.71**	**52.19**	**52.13**	**52.06**
Biomass	2.74	2.63	2.75	2.83	2.87	2.96	3.09	3.19	3.22	3.27	3.32	3.40	3.45	3.50
Electricity	19.39	19.85	20.80	21.39	21.73	22.04	22.81	23.40	23.46	23.62	23.72	24.12	24.23	24.33
Natural Gas	25.51	22.94	23.88	23.33	23.38	23.92	24.65	24.96	24.65	24.51	24.31	24.33	24.11	23.92
RPP	0.85	0.64	0.49	0.50	0.43	0.42	0.42	0.40	0.39	0.38	0.36	0.35	0.33	0.32
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**66.32**	**59.42**	**64.80**	**58.39**	**59.19**	**60.50**	**61.06**	**61.06**	**59.37**	**58.59**	**57.68**	**57.25**	**57.02**	**56.69**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	17.16	17.36	17.22	17.46	18.68	18.67	18.96	19.18	18.96	18.91	18.82	18.89	18.95	18.94
Natural Gas	44.59	37.66	42.49	37.71	37.41	38.58	38.95	38.85	37.52	36.88	36.16	35.76	35.56	35.34
RPP	4.57	4.40	5.10	3.22	3.09	3.24	3.15	3.04	2.89	2.81	2.70	2.61	2.51	2.41
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**51.25**	**51.14**	**54.84**	**56.20**	**57.09**	**57.31**	**58.34**	**57.94**	**57.97**	**57.12**	**56.02**	**56.41**	**56.30**	**56.31**
Biomass	5.62	5.58	5.62	5.66	5.71	5.69	5.56	5.46	5.40	5.32	5.24	5.31	5.43	5.53
Coal, Coke & Coke Oven Gas	1.99	1.98	2.06	2.09	2.11	2.19	2.16	2.11	2.08	2.05	2.01	2.01	2.02	2.03
Electricity	21.00	20.90	21.74	23.00	22.23	22.86	23.58	23.60	23.63	23.33	22.96	23.05	23.17	23.21
Natural Gas	16.54	15.81	18.39	17.98	19.97	19.91	19.84	19.43	19.13	18.64	18.04	17.88	17.60	17.39
LPG & Petroleum Feedstocks	1.26	1.47	1.83	2.63	2.85	2.47	2.83	2.89	2.92	2.90	2.86	2.87	2.91	2.95
RPP	4.80	5.40	5.20	4.82	4.21	4.17	4.35	4.44	4.80	4.88	4.90	5.28	5.15	5.19
Still Gas & Petroleum Coke	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
16.30	16.36	16.46	16.56	16.73	16.93	16.70	18.13	18.20	17.68	17.99	18.32	18.64	18.96	19.29	19.63	19.99
14.72	14.58	14.46	14.34	14.24	14.16	14.09	14.04	13.99	13.94	13.89	13.84	13.79	13.74	13.70	13.65	13.60
13.70	13.56	13.45	13.34	13.25	13.17	13.11	13.06	13.02	12.97	12.92	12.88	12.83	12.79	12.74	12.70	12.65
16.78	16.89	17.04	17.20	17.44	17.71	17.44	19.28	19.38	18.73	19.14	19.57	20.00	20.42	20.86	21.31	21.77
12.85	12.73	12.62	12.52	12.43	12.36	12.31	12.26	12.22	12.17	12.13	12.09	12.04	12.00	11.96	11.92	11.88
13.79	13.65	13.54	13.43	13.33	13.26	13.20	13.15	13.10	13.05	13.01	12.96	12.92	12.87	12.83	12.78	12.74
10.33	10.39	10.48	10.57	10.71	10.86	10.71	11.78	11.84	11.45	11.69	11.94	12.19	12.43	12.69	12.95	13.22
12.08	11.96	11.87	11.77	11.69	11.62	11.57	11.52	11.48	11.44	11.40	11.36	11.32	11.28	11.24	11.20	11.16
11.71	11.60	11.50	11.41	11.33	11.26	11.21	11.17	11.13	11.09	11.05	11.01	10.98	10.94	10.90	10.86	10.82
27.85	27.59	27.36	27.14	26.94	26.79	26.67	26.56	26.47	26.38	26.28	26.19	26.10	26.01	25.92	25.83	25.74
24.06	23.83	23.63	23.44	23.27	23.14	23.03	22.94	22.86	22.78	22.70	22.62	22.54	22.46	22.39	22.31	22.23

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
263.61	**264.47**	**265.33**	**263.36**	**264.24**	**265.02**	**266.37**	**268.50**	**268.26**	**268.42**	**268.60**	**268.95**	**269.87**	**270.44**	**270.70**	**271.01**	**271.57**
110.18	110.86	111.44	109.87	110.56	111.24	112.02	113.37	113.89	114.39	114.94	115.50	116.38	117.14	117.72	118.37	119.08
66.38	66.57	66.79	66.72	66.81	66.86	67.06	67.24	66.82	66.57	66.29	66.05	65.92	65.66	65.29	64.92	64.60
75.91	75.77	75.66	75.25	75.24	75.14	75.34	75.83	75.46	75.35	75.21	75.18	75.27	75.31	75.37	75.40	75.54
9.11	9.24	9.38	9.45	9.56	9.67	9.79	9.90	9.94	9.97	10.01	10.06	10.13	10.16	10.15	10.15	10.18
2.03	2.04	2.06	2.07	2.08	2.11	2.15	2.16	2.15	2.15	2.15	2.16	2.17	2.18	2.17	2.17	2.17
51.94	**52.08**	**52.32**	**52.15**	**52.25**	**52.32**	**52.40**	**52.87**	**52.88**	**52.86**	**52.79**	**52.67**	**52.70**	**52.68**	**52.57**	**52.42**	**52.24**
3.54	3.60	3.66	3.69	3.75	3.79	3.84	3.92	3.95	3.99	4.01	4.03	4.07	4.09	4.11	4.13	4.14
24.38	24.55	24.76	24.75	24.90	25.01	25.14	25.40	25.44	25.48	25.49	25.46	25.50	25.51	25.46	25.40	25.33
23.71	23.64	23.62	23.43	23.35	23.27	23.20	23.33	23.28	23.20	23.11	23.00	22.97	22.92	22.84	22.75	22.65
0.30	0.29	0.28	0.27	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.14
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.22	**56.26**	**56.17**	**56.17**	**56.37**	**56.27**	**56.53**	**57.04**	**56.62**	**56.67**	**56.61**	**56.63**	**56.65**	**56.67**	**56.83**	**56.89**	**57.06**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.86	18.92	18.92	18.94	19.01	18.97	19.04	19.15	18.96	18.92	18.85	18.78	18.70	18.62	18.56	18.48	18.42
35.05	35.11	35.09	35.14	35.32	35.33	35.58	36.00	35.82	35.94	35.99	36.11	36.22	36.35	36.58	36.74	36.98
2.31	2.23	2.16	2.10	2.03	1.97	1.92	1.89	1.85	1.81	1.77	1.74	1.72	1.70	1.69	1.67	1.67
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.06	**56.10**	**56.24**	**55.59**	**55.47**	**55.61**	**55.86**	**55.70**	**55.32**	**54.94**	**54.71**	**54.62**	**54.66**	**54.51**	**54.17**	**53.85**	**53.90**
5.57	5.64	5.72	5.76	5.80	5.88	5.96	5.99	5.98	5.98	6.00	6.03	6.06	6.06	6.04	6.02	6.04
2.03	2.04	2.06	2.07	2.08	2.11	2.15	2.16	2.15	2.15	2.15	2.16	2.17	2.18	2.17	2.17	2.17
23.14	23.10	23.10	23.02	22.90	22.87	22.88	22.69	22.42	22.16	21.96	21.81	21.71	21.53	21.26	21.04	20.88
17.12	16.98	16.93	16.65	16.54	16.51	16.54	16.46	16.33	16.18	16.08	16.04	16.05	16.01	15.93	15.88	15.88
2.98	3.00	3.02	3.03	3.05	3.08	3.11	3.12	3.12	3.11	3.11	3.13	3.15	3.17	3.16	3.17	3.19
5.22	5.34	5.41	5.04	5.09	5.15	5.22	5.28	5.31	5.35	5.40	5.44	5.50	5.55	5.59	5.65	5.73
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**91.31**	**89.69**	**88.94**	**93.46**	**96.91**	**97.10**	**99.42**	**100.41**	**100.34**	**99.68**	**98.86**	**100.05**	**99.38**	**99.46**
Aviation Fuel	7.87	7.54	7.09	7.68	6.37	6.48	6.59	6.70	6.82	6.93	7.05	7.17	7.29	7.42
Diesel	32.43	31.66	30.79	33.79	37.11	37.21	38.45	38.85	39.46	39.17	38.75	39.59	39.05	39.08
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.57	0.48	0.30	0.33	0.32	0.30	0.29	0.27	0.24	0.22	0.21	0.19	0.17	0.15
Lubricants	0.52	0.52	0.63	0.66	0.54	0.56	0.57	0.59	0.60	0.60	0.61	0.63	0.64	0.65
Motor Gasoline	49.89	49.46	50.10	50.97	52.52	52.51	53.48	53.95	53.18	52.72	52.21	52.44	52.19	52.13
Natural Gas	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	257.38	246.31	256.50	256.09	261.59	264.25	269.78	271.36	269.40	267.17	264.27	265.91	264.81	264.53
Total Electric and Steam Energy Demand for Generation	124.29	123.71	108.03	83.25	103.47	117.41	115.88	118.33	117.70	117.35	118.16	118.88	127.98	128.90
Less Electricity and Steam Secondary Demand	57.55	58.10	59.75	61.85	62.64	63.58	65.35	66.18	66.05	65.86	65.51	66.06	66.36	66.48
Total Primary Demand	**324.12**	**311.92**	**304.78**	**277.49**	**302.42**	**318.08**	**320.31**	**323.51**	**321.05**	**318.66**	**316.93**	**318.73**	**326.44**	**326.95**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	86.67	76.45	84.80	79.05	80.80	84.06	85.08	84.88	82.46	81.18	79.67	79.12	78.90	78.29
RPP[1]	102.95	101.79	101.71	104.83	107.59	109.19	110.42	112.96	114.68	112.72	111.66	112.93	112.06	112.12
Coal, Coke and Coke Oven Gas	12.64	7.07	6.18	12.26	7.49	10.97	10.93	10.88	8.22	8.19	8.14	8.14	10.79	10.80
Hydro	113.50	118.40	103.72	72.86	97.96	104.78	104.78	104.78	104.78	104.78	104.78	104.78	109.84	109.84
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	8.36	8.21	8.37	8.49	8.58	9.09	9.09	10.01	10.91	11.79	12.68	13.75	14.85	15.91

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**7.89**	**7.39**	**7.52**	**7.48**	**7.43**	**7.27**	**7.18**	**7.07**	**6.90**	**6.77**	**6.64**	**6.52**	**6.39**	**6.28**
Residential (PJ/Personal Income)	1.88	1.78	1.84	1.83	1.80	1.81	1.79	1.77	1.74	1.72	1.69	1.66	1.63	1.60
Commercial (PJ/GO)	1.77	1.56	1.66	1.51	1.49	1.48	1.45	1.42	1.37	1.34	1.31	1.27	1.24	1.22
Industrial (PJ/GO)	2.43	2.21	2.33	2.29	2.25	2.20	2.14	2.07	1.99	1.94	1.90	1.84	1.82	1.79
Transportation (PJ/GDP)	2.80	2.69	2.61	2.73	2.75	2.67	2.65	2.61	2.57	2.52	2.48	2.45	2.40	2.36

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
99.39	**100.03**	**100.60**	**99.46**	**100.16**	**100.82**	**101.57**	**102.89**	**103.43**	**103.95**	**104.49**	**105.02**	**105.85**	**106.58**	**107.14**	**107.74**	**108.38**
7.54	7.67	7.80	7.94	8.07	8.21	8.35	8.49	8.63	8.78	8.93	9.08	9.24	9.39	9.55	9.71	9.88
39.04	39.36	39.55	38.49	38.67	38.91	39.23	39.61	39.75	39.89	40.08	40.30	40.61	40.86	41.06	41.31	41.60
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.14	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.02	0.02
0.66	0.67	0.68	0.69	0.70	0.72	0.73	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.83	0.84	0.85
51.98	52.17	52.42	52.21	52.59	52.88	53.16	53.95	54.20	54.42	54.62	54.78	55.14	55.44	55.64	55.83	55.99
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
263.61	264.47	265.33	263.36	264.24	265.02	266.31	268.50	268.26	268.42	268.60	268.94	269.87	270.44	270.70	271.01	271.57
129.82	130.74	131.63	132.19	141.82	143.33	143.98	179.91	180.67	181.43	182.19	182.95	183.71	184.46	185.22	185.98	186.74
66.38	66.57	66.79	66.72	66.81	66.86	67.06	67.24	66.82	66.57	66.29	66.05	65.92	65.66	65.29	64.92	64.60
327.06	**328.65**	**330.17**	**328.83**	**339.25**	**341.50**	**343.28**	**381.18**	**382.11**	**383.28**	**384.50**	**385.84**	**387.66**	**389.24**	**390.63**	**392.07**	**393.71**
77.52	77.31	77.21	76.85	76.36	76.26	76.47	76.95	76.58	76.47	76.33	76.30	76.39	76.43	76.49	76.52	76.66
111.99	112.67	113.25	111.38	111.07	111.75	112.42	113.64	114.15	114.65	115.20	115.76	116.64	117.40	117.98	118.63	119.34
10.80	10.81	10.83	10.84	8.22	8.25	8.28	8.29	8.29	8.28	8.28	8.29	8.31	8.31	8.31	8.30	8.31
109.84	109.84	109.84	109.84	122.83	123.49	123.49	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80	158.80
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.91	17.96	18.99	19.92	20.77	21.75	22.63	23.49	24.29	25.07	25.88	26.69	27.52	28.30	29.05	29.81	30.60

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.19	**6.12**	**6.04**	**5.95**	**5.87**	**5.80**	**5.73**	**5.64**	**5.57**	**5.52**	**5.46**	**5.40**	**5.35**	**5.29**	**5.24**	**5.19**	**5.13**
1.57	1.55	1.52	1.50	1.47	1.44	1.41	1.38	1.36	1.34	1.31	1.29	1.27	1.25	1.22	1.20	1.18
1.19	1.18	1.16	1.14	1.12	1.11	1.09	1.07	1.05	1.04	1.03	1.01	1.00	0.99	0.98	0.97	0.96
1.76	1.72	1.70	1.70	1.67	1.65	1.63	1.60	1.58	1.56	1.54	1.52	1.50	1.49	1.47	1.45	1.43
2.33	2.31	2.29	2.25	2.22	2.21	2.19	2.16	2.15	2.14	2.12	2.11	2.10	2.09	2.07	2.06	2.05

Table A2.33: Demand, Fortified Islands, New Brunswick

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	23.94	24.24	23.62	22.86	21.35	19.49	17.47	18.83	19.98	21.59	22.02	21.93	25.09	25.39
Natural Gas	9.71	9.81	9.40	9.37	9.64	10.53	11.51	12.77	15.12	15.40	15.35	15.20	15.04	14.87
Light Fuel Oil	13.40	13.15	12.25	13.93	13.87	17.51	18.66	18.46	18.86	19.30	19.13	18.94	18.74	18.53
Commercial														
Electricity	25.73	25.34	26.23	25.49	23.67	21.84	19.67	21.43	22.92	24.99	25.57	25.50	28.55	29.96
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.48	12.85	13.24	13.12	12.99	12.85	12.71
Light Fuel Oil	13.40	13.15	12.25	13.93	14.10	17.73	18.86	18.66	19.05	19.49	19.31	19.13	18.92	18.71
Industrial														
Electricity	16.58	19.82	14.22	13.96	13.50	12.42	11.32	12.21	12.95	14.08	14.39	14.35	16.57	16.79
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	9.21	11.59	11.99	11.88	11.77	11.64	11.51
Heavy Fuel Oil	9.36	9.17	8.54	9.72	9.77	13.70	15.14	15.08	15.51	15.98	15.84	15.68	15.51	15.34
Transportation														
Gasoline	28.80	28.43	28.82	28.82	28.82	31.43	31.55	30.82	31.10	31.44	31.15	30.85	30.52	30.18
Diesel	23.69	25.04	22.22	21.89	21.89	24.98	25.57	25.09	25.42	25.81	25.57	25.33	25.06	24.78

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**267.68**	**257.69**	**263.81**	**259.64**	**271.60**	**253.46**	**253.14**	**251.91**	**248.09**	**245.64**	**244.49**	**245.79**	**247.96**	**250.21**
RPP[1,2]	156.56	152.33	150.45	150.12	152.91	141.78	141.56	141.02	138.53	137.69	137.73	138.44	139.33	140.52
Electric	56.47	53.89	53.87	53.07	59.31	55.40	56.22	56.47	55.79	55.24	55.03	55.35	55.72	56.01
Natural Gas	0.34	0.34	2.76	2.42	3.57	3.17	3.25	3.29	3.28	3.25	3.25	3.26	3.26	3.26
Biofuels & Emerging Energy[3]	48.08	45.11	50.85	48.10	49.71	47.44	46.72	46.04	45.63	44.80	44.07	44.54	45.61	46.55
Other[3]	6.23	6.03	5.88	5.94	6.10	5.67	5.39	5.09	4.86	4.65	4.40	4.21	4.04	3.86
Residential Sector	**33.18**	**31.85**	**33.14**	**33.56**	**34.19**	**34.06**	**34.83**	**35.50**	**35.25**	**35.21**	**35.46**	**35.67**	**35.88**	**35.97**
Biomass	6.39	6.44	6.63	6.54	6.65	6.63	6.72	6.81	6.75	6.73	6.78	6.82	6.93	7.01
Electricity	17.92	17.87	18.68	19.26	19.87	19.82	20.44	20.97	20.88	20.89	21.08	21.25	21.43	21.54
Natural Gas	0.00	0.00	0.00	0.57	0.76	0.73	0.75	0.76	0.75	0.76	0.76	0.77	0.78	0.78
RPP[4]	8.87	7.54	7.84	7.18	6.91	6.88	6.92	6.96	6.87	6.83	6.84	6.82	6.74	6.65
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**19.47**	**18.64**	**18.59**	**20.00**	**25.32**	**21.61**	**21.91**	**22.00**	**21.63**	**21.27**	**21.37**	**21.43**	**21.54**	**21.63**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	10.23	9.87	9.86	10.24	10.47	9.81	9.91	9.89	9.66	9.44	9.41	9.34	9.26	9.18
Natural Gas	0.00	0.00	0.00	0.81	0.96	0.82	0.87	0.90	0.91	0.90	0.92	0.93	0.93	0.93
RPP[4]	9.24	8.77	8.73	8.95	13.90	10.98	11.13	11.21	11.06	10.93	11.05	11.16	11.34	11.52
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**138.19**	**131.07**	**136.07**	**130.19**	**134.53**	**121.54**	**119.71**	**117.64**	**115.88**	**114.69**	**113.46**	**114.40**	**115.94**	**117.82**
Biomass	41.69	38.67	44.22	41.56	43.06	40.81	40.00	39.23	38.88	38.07	37.29	37.71	38.68	39.54
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	28.32	26.15	25.34	23.56	28.97	25.77	25.87	25.61	25.25	24.92	24.55	24.75	25.03	25.30
Natural Gas	0.34	0.34	2.76	1.03	1.85	1.62	1.63	1.63	1.61	1.60	1.57	1.56	1.56	1.55
LPG & Petroleum Feedstocks	15.88	15.49	14.92	15.42	15.54	13.51	13.66	13.87	13.90	14.33	14.79	15.30	15.73	16.41
RPP[4]	32.92	26.35	24.91	25.56	24.81	22.20	21.42	20.54	19.83	19.34	18.78	18.45	18.23	17.99
Still Gas & Petroleum Coke	12.82	18.05	18.05	17.11	14.20	11.95	11.74	11.67	11.54	11.79	12.08	12.41	12.68	13.18
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	6.23	6.03	5.88	5.94	6.10	5.67	5.39	5.10	4.86	4.65	4.40	4.21	4.04	3.86

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
26.03	26.03	26.09	26.18	26.33	25.71	26.06	26.51	27.05	27.68	28.44	29.25	28.31	29.41	30.68	32.13	33.41
14.71	14.57	14.44	14.33	14.23	14.14	14.08	14.02	13.98	13.93	13.88	13.83	13.78	13.73	13.68	13.64	13.59
18.33	18.15	18.00	17.86	17.73	17.63	17.55	17.48	17.42	17.36	17.30	17.24	17.18	17.11	17.06	16.99	16.94
30.81	30.84	30.95	31.09	31.30	30.54	31.00	31.60	32.30	33.13	34.11	35.16	33.98	35.40	37.03	38.90	40.55
12.57	12.45	12.35	12.25	12.16	12.09	12.03	11.99	11.95	11.90	11.86	11.82	11.78	11.74	11.70	11.66	11.62
18.51	18.33	18.18	18.04	17.90	17.80	17.72	17.65	17.59	17.53	17.47	17.40	17.34	17.28	17.22	17.16	17.10
17.26	17.27	17.32	17.40	17.51	17.09	17.34	17.66	18.05	18.50	19.03	19.61	18.96	19.73	20.62	21.65	22.55
11.39	11.28	11.18	11.09	11.01	10.95	10.90	10.86	10.82	10.78	10.74	10.71	10.67	10.63	10.59	10.56	10.52
15.18	15.03	14.90	14.79	14.68	14.59	14.53	14.47	14.42	14.37	14.32	14.27	14.22	14.17	14.12	14.07	14.02
29.85	29.56	29.32	29.09	28.87	28.71	28.58	28.47	28.37	28.27	28.17	28.07	27.97	27.87	27.78	27.68	27.58
24.51	24.27	24.07	23.88	23.71	23.57	23.46	23.37	23.29	23.21	23.13	23.05	22.97	22.88	22.80	22.72	22.65

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
250.55	**252.42**	**253.87**	**255.43**	**256.20**	**257.80**	**259.61**	**260.19**	**260.21**	**260.48**	**261.42**	**262.32**	**264.14**	**265.12**	**265.37**	**265.70**	**266.57**
140.75	142.30	143.35	144.75	145.47	146.56	147.76	148.51	149.17	150.16	151.44	152.54	154.12	155.50	156.65	157.79	159.19
55.89	55.99	56.11	56.14	56.06	56.15	56.28	56.18	55.91	55.60	55.42	55.22	55.23	55.04	54.65	54.24	53.91
3.25	3.25	3.26	3.27	3.26	3.26	3.27	3.27	3.26	3.25	3.26	3.27	3.28	3.29	3.30	3.31	3.33
46.99	47.37	47.79	48.06	48.35	48.89	49.47	49.53	49.29	48.99	48.92	48.99	49.26	49.12	48.68	48.33	48.16
3.67	3.50	3.36	3.21	3.07	2.94	2.83	2.71	2.59	2.48	2.38	2.30	2.24	2.17	2.10	2.03	1.98
35.96	**36.13**	**36.36**	**36.48**	**36.55**	**36.64**	**36.73**	**36.85**	**36.90**	**36.94**	**36.99**	**36.97**	**37.06**	**37.09**	**37.05**	**36.98**	**36.89**
7.07	7.17	7.28	7.37	7.44	7.51	7.58	7.66	7.72	7.78	7.85	7.89	7.96	8.02	8.06	8.11	8.15
21.55	21.68	21.82	21.91	21.95	22.02	22.07	22.14	22.15	22.15	22.15	22.09	22.11	22.08	22.00	21.88	21.74
0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.86	0.87	0.87	0.88	0.89	0.90	0.92	0.93
6.54	6.49	6.45	6.40	6.34	6.29	6.24	6.21	6.18	6.15	6.13	6.11	6.10	6.09	6.08	6.08	6.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.65	**21.75**	**21.90**	**22.06**	**22.17**	**22.32**	**22.50**	**22.67**	**22.82**	**22.94**	**23.19**	**23.33**	**23.53**	**23.71**	**23.87**	**23.98**	**24.12**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.06	8.99	8.93	8.88	8.81	8.77	8.73	8.71	8.67	8.63	8.64	8.61	8.60	8.59	8.58	8.54	8.52
0.93	0.94	0.94	0.95	0.95	0.95	0.95	0.94	0.94	0.93	0.94	0.93	0.93	0.93	0.93	0.92	0.91
11.65	11.83	12.03	12.24	12.42	12.61	12.82	13.02	13.20	13.38	13.61	13.79	13.99	14.19	14.37	14.52	14.69
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118.10	**119.16**	**119.77**	**120.58**	**120.92**	**121.77**	**122.80**	**122.70**	**122.19**	**121.85**	**121.89**	**122.16**	**122.95**	**123.14**	**122.80**	**122.65**	**122.96**
39.92	40.20	40.51	40.70	40.91	41.37	41.89	41.87	41.57	41.21	41.07	41.09	41.29	41.10	40.61	40.22	40.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.28	25.33	25.36	25.36	25.29	25.37	25.48	25.34	25.08	24.82	24.64	24.52	24.52	24.36	24.07	23.82	23.65
1.53	1.52	1.51	1.50	1.49	1.49	1.49	1.48	1.47	1.46	1.46	1.46	1.47	1.47	1.47	1.48	1.49
16.69	17.28	17.63	18.16	18.49	18.84	19.19	19.42	19.64	19.92	20.21	20.45	20.79	21.10	21.39	21.68	22.03
17.65	17.52	17.34	17.17	16.93	16.77	16.66	16.44	16.23	16.11	16.06	16.05	16.11	16.12	16.11	16.13	16.21
13.36	13.81	14.06	14.48	14.73	14.99	15.26	15.44	15.61	15.84	16.07	16.27	16.54	16.80	17.05	17.29	17.59
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.67	3.50	3.36	3.21	3.07	2.94	2.83	2.71	2.59	2.48	2.38	2.30	2.24	2.17	2.10	2.03	1.98

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**76.84**	**76.13**	**76.01**	**75.88**	**77.55**	**76.26**	**76.69**	**76.77**	**75.33**	**74.47**	**74.19**	**74.29**	**74.61**	**74.79**
Aviation Fuel	3.07	2.90	2.25	2.40	2.43	2.47	2.50	2.53	2.56	2.60	2.63	2.66	2.70	2.73
Diesel	37.15	35.88	35.50	34.92	36.57	35.66	36.09	36.21	35.61	35.33	35.24	35.38	35.63	35.81
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.45	0.78	0.80	0.78	0.85	0.86	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93
LPG	0.11	0.13	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Lubricants	0.42	0.34	0.31	0.23	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28
Motor Gasoline	35.64	36.10	37.12	37.53	37.43	37.01	36.96	36.87	35.99	35.38	35.14	35.05	35.07	35.02
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	267.68	257.69	263.81	259.64	271.60	253.47	253.14	251.91	248.08	245.64	244.49	245.79	247.96	250.21
Total Electric and Steam Energy Demand for Generation	181.37	202.82	175.42	177.22	220.55	184.60	199.10	190.54	165.11	108.38	150.43	155.29	148.51	148.39
Less Electricity and Steam Secondary Demand	62.71	59.92	59.75	59.00	65.41	61.07	61.61	61.56	60.65	59.90	59.44	59.56	59.76	59.87
Total Primary Demand	**386.35**	**400.60**	**379.47**	**377.86**	**426.73**	**377.00**	**390.63**	**380.88**	**352.54**	**294.13**	**335.48**	**341.52**	**336.71**	**338.73**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.34	0.34	2.76	2.42	17.11	15.60	15.67	15.71	15.70	15.68	15.68	15.68	15.69	15.69
RPP	243.75	253.96	233.93	220.72	263.49	203.47	217.75	207.97	197.49	190.65	193.05	190.34	186.53	187.61
Coal, Coke and Coke Oven Gas	36.40	41.13	40.26	39.97	35.71	37.65	37.65	37.65	34.10	26.34	26.34	24.22	21.88	21.63
Hydro	11.85	7.63	8.10	11.63	10.84	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08
Nuclear	45.93	52.43	43.58	55.01	49.87	58.18	58.18	58.18	43.63	0.00	39.03	48.75	48.36	47.93
Biofuels & Emerging Energy	48.08	45.11	50.85	48.10	49.71	52.02	51.30	51.29	51.54	51.38	51.30	52.44	54.17	55.78

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**14.15**	**13.44**	**13.34**	**13.20**	**13.34**	**12.40**	**12.07**	**11.81**	**11.61**	**11.46**	**11.23**	**11.09**	**10.96**	**10.88**
Residential (PJ/Personal Income)	2.00	1.91	2.01	2.04	2.05	2.01	2.01	1.99	1.97	1.96	1.94	1.91	1.88	1.85
Commercial (PJ/GO)	0.92	0.86	0.84	0.92	1.16	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84
Industrial (PJ/GO)	8.34	7.62	7.49	7.67	6.26	6.20	6.03	5.88	5.77	5.65	5.53	5.45	5.38	5.33
Transportation (PJ/GDP)	4.06	3.97	3.84	3.86	3.81	3.73	3.66	3.60	3.53	3.47	3.41	3.35	3.30	3.25

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
74.85	**75.37**	**75.84**	**76.30**	**76.56**	**77.06**	**77.58**	**77.97**	**78.30**	**78.75**	**79.35**	**79.87**	**80.59**	**81.19**	**81.65**	**82.10**	**82.60**
2.77	2.81	2.84	2.88	2.92	2.95	2.99	3.03	3.07	3.11	3.15	3.19	3.23	3.28	3.32	3.36	3.41
35.88	36.23	36.48	36.70	36.82	37.05	37.32	37.45	37.56	37.79	38.12	38.45	38.85	39.18	39.44	39.72	40.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.94	0.94	0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.08	1.09	1.10
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.29	0.29	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.38
34.97	35.09	35.26	35.45	35.54	35.75	35.95	36.16	36.32	36.49	36.70	36.83	37.10	37.31	37.44	37.55	37.65
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
250.55	252.42	253.87	255.43	256.20	257.80	259.61	260.19	260.21	260.48	261.42	262.32	264.14	265.12	265.37	265.70	266.57
147.67	148.36	152.90	154.55	154.52	155.49	155.70	155.56	154.66	153.81	179.03	179.22	179.10	177.79	172.48	172.48	172.55
59.56	59.49	59.47	59.35	59.12	59.09	59.11	58.89	58.50	58.08	57.80	57.52	57.48	57.21	56.74	56.27	55.90
338.66	**341.29**	**347.30**	**350.63**	**351.60**	**354.19**	**356.20**	**356.86**	**356.37**	**356.21**	**382.64**	**384.02**	**385.76**	**385.70**	**381.11**	**381.91**	**383.22**
15.67	15.68	15.69	15.69	15.68	15.68	15.69	15.69	15.68	15.67	15.69	15.70	15.71	15.72	15.73	15.73	15.75
187.67	190.19	195.98	189.91	190.87	192.95	194.32	195.20	195.55	196.26	166.48	167.59	169.17	170.55	166.26	167.40	168.81
21.15	20.81	20.56	29.67	29.42	29.32	29.24	29.01	28.66	28.28	19.15	19.19	18.82	17.26	22.14	22.14	22.14
10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08
47.20	46.59	46.10	45.69	45.36	45.15	45.03	44.73	44.25	43.81	108.96	108.88	108.88	108.88	103.88	103.63	103.45
56.88	57.93	58.90	59.59	60.20	61.01	61.84	62.14	62.15	62.10	62.27	62.59	63.11	63.22	63.02	62.91	62.99

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
10.77	**10.68**	**10.57**	**10.49**	**10.39**	**10.31**	**10.22**	**10.13**	**10.03**	**9.93**	**9.83**	**9.74**	**9.67**	**9.59**	**9.49**	**9.41**	**9.33**
1.82	1.79	1.76	1.73	1.70	1.67	1.64	1.62	1.59	1.56	1.54	1.51	1.49	1.46	1.44	1.41	1.39
0.83	0.82	0.82	0.81	0.80	0.80	0.79	0.79	0.78	0.78	0.78	0.77	0.77	0.77	0.76	0.76	0.75
5.27	5.20	5.14	5.09	5.05	5.01	4.97	4.93	4.88	4.82	4.77	4.72	4.68	4.63	4.58	4.52	4.48
3.22	3.19	3.16	3.13	3.11	3.08	3.06	3.04	3.02	3.00	2.98	2.97	2.95	2.94	2.92	2.91	2.89

Table A2.34: Demand, Fortified Islands, Newfoundland and Labrador

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	22.76	21.09	22.17	21.69	20.95	20.49	21.59	22.34	22.41	22.38	22.44	22.50	22.56	22.45
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.77	15.12	15.49	15.35	15.20	15.04	14.87
Light Fuel Oil	15.19	15.00	13.65	14.90	14.85	18.43	19.51	19.28	19.67	20.10	19.92	19.73	19.52	19.30
Commercial														
Electricity	23.29	23.34	22.13	21.89	17.19	16.76	18.29	19.29	19.42	19.43	19.53	19.62	19.72	19.66
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.48	12.85	13.24	13.12	12.99	12.85	12.71
Light Fuel Oil	15.19	15.00	13.65	14.90	15.10	18.66	19.73	19.48	19.87	20.31	20.12	19.93	19.71	19.49
Industrial														
Electricity	5.91	5.85	5.07	5.99	6.77	6.49	10.52	12.97	13.29	13.39	13.63	13.86	14.16	14.21
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	9.21	11.59	11.99	11.88	11.77	11.64	11.51
Heavy Fuel Oil	10.59	10.48	9.52	10.39	10.46	14.34	15.73	15.65	16.07	16.54	16.39	16.23	16.05	15.88
Transportation														
Gasoline	31.26	31.17	31.17	31.17	31.17	33.62	33.57	32.76	33.02	33.35	33.04	32.73	32.37	32.01
Diesel	22.89	24.48	22.89	22.74	22.74	25.77	26.31	25.79	26.12	26.50	26.26	26.01	25.73	25.44

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**137.12**	**140.09**	**166.57**	**165.32**	**154.38**	**152.65**	**156.32**	**164.98**	**166.84**	**163.12**	**161.78**	**156.66**	**159.71**	**167.34**
RPP[1,2]	81.54	85.54	88.89	93.13	86.91	85.67	87.49	88.47	90.41	89.62	89.35	88.29	91.01	93.22
Electric	36.03	35.83	36.32	36.78	35.92	36.28	37.24	38.96	39.09	38.25	37.80	36.68	36.96	38.43
Natural Gas	6.48	6.98	28.04	21.42	18.47	17.75	18.47	24.49	24.23	22.40	21.95	19.11	18.97	22.69
Biofuels & Emerging Energy[3]	8.51	8.27	9.83	9.85	9.35	9.49	9.57	9.59	9.63	9.52	9.42	9.38	9.61	9.85
Other[4]	4.57	3.47	3.48	4.14	3.73	3.47	3.54	3.47	3.49	3.34	3.24	3.19	3.17	3.14
Residential Sector	**20.51**	**21.46**	**22.77**	**22.11**	**20.99**	**22.36**	**23.61**	**24.34**	**24.99**	**24.83**	**24.78**	**24.35**	**24.85**	**25.60**
Biomass	3.58	3.72	3.89	3.77	3.70	3.95	4.16	4.29	4.41	4.39	4.39	4.32	4.45	4.61
Electricity	11.22	11.66	12.22	12.25	12.33	13.02	13.75	14.16	14.52	14.41	14.35	14.07	14.39	14.85
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP[2]	5.71	6.08	6.67	6.09	4.96	5.39	5.70	5.89	6.06	6.04	6.03	5.97	6.02	6.13
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**11.79**	**12.69**	**13.80**	**14.93**	**14.38**	**14.46**	**14.65**	**14.79**	**14.67**	**14.56**	**14.47**	**14.33**	**14.33**	**14.58**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	7.18	7.30	7.57	7.65	7.66	7.88	8.08	8.21	8.20	8.18	8.18	8.13	8.16	8.33
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP[2]	4.61	5.39	6.23	7.28	6.72	6.58	6.58	6.58	6.47	6.37	6.29	6.20	6.17	6.25
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**55.54**	**56.71**	**80.40**	**75.69**	**66.69**	**63.79**	**64.47**	**71.55**	**71.17**	**68.37**	**67.44**	**63.88**	**64.36**	**69.56**
Biomass	4.93	4.55	5.94	6.08	5.64	5.54	5.42	5.31	5.22	5.13	5.03	5.07	5.16	5.24
Coal, Coke & Coke Oven Gas	4.57	3.47	3.48	4.14	3.73	3.47	3.54	3.47	3.49	3.34	3.24	3.19	3.17	3.14
Electricity	17.64	16.87	16.54	16.88	15.94	15.38	15.41	16.58	16.38	15.66	15.28	14.49	14.41	15.25
Natural Gas	6.48	6.98	28.04	21.42	18.47	17.75	18.47	24.49	24.23	22.40	21.95	19.11	18.97	22.69
LPG & Petroleum Feedstocks	1.01	1.01	0.87	0.57	0.74	0.79	0.86	1.09	1.15	1.15	1.19	1.14	1.18	1.37
RPP[2]	15.15	13.95	14.14	16.17	13.69	12.55	12.34	12.03	12.09	11.73	11.41	11.15	11.40	11.27
Still Gas & Petroleum Coke	5.77	9.89	11.39	10.42	8.48	8.32	8.42	8.58	8.63	8.96	9.34	9.74	10.07	10.60
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
22.49	22.26	22.04	20.80	20.39	20.34	20.35	20.24	20.42	20.43	20.49	20.69	20.89	21.09	21.31	21.55	21.79
14.71	14.57	14.44	14.33	14.23	14.14	14.08	14.02	13.98	13.93	13.88	13.83	13.78	13.73	13.68	13.64	13.59
19.09	18.90	18.75	18.60	18.46	18.36	18.28	18.20	18.14	18.08	18.01	17.95	17.89	17.82	17.76	17.70	17.64
19.79	19.61	19.47	18.22	17.86	17.87	17.92	17.85	18.06	18.12	18.22	18.46	18.71	18.95	19.22	19.51	19.80
12.57	12.45	12.35	12.25	12.16	12.09	12.03	11.99	11.95	11.90	11.86	11.82	11.78	11.74	11.70	11.66	11.62
19.28	19.10	18.94	18.79	18.65	18.54	18.46	18.39	18.32	18.26	18.19	18.13	18.07	18.00	17.94	17.88	17.82
14.74	14.71	14.81	12.88	12.54	12.73	12.96	12.96	13.44	13.67	13.98	14.55	15.11	15.64	16.20	16.82	17.41
11.39	11.28	11.18	11.09	11.01	10.95	10.90	10.86	10.82	10.78	10.74	10.71	10.67	10.63	10.59	10.56	10.52
15.70	15.55	15.42	15.30	15.19	15.10	15.03	14.98	14.92	14.87	14.82	14.77	14.71	14.66	14.61	14.56	14.51
31.67	31.36	31.10	30.85	30.63	30.45	30.32	30.20	30.09	29.99	29.88	29.78	29.67	29.57	29.46	29.36	29.26
25.16	24.92	24.72	24.52	24.34	24.20	24.09	24.00	23.92	23.83	23.75	23.66	23.58	23.50	23.42	23.33	23.25

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
172.28	**187.58**	**188.47**	**202.37**	**201.00**	**196.70**	**197.09**	**188.85**	**181.98**	**174.79**	**167.18**	**161.40**	**156.72**	**152.48**	**148.34**	**144.91**	**142.20**
94.36	97.13	99.46	103.25	103.95	102.95	103.15	99.21	97.46	95.76	93.98	92.69	91.75	90.92	90.12	89.47	89.03
39.32	42.19	42.03	44.65	43.70	42.73	42.67	41.26	39.75	38.15	36.46	35.13	34.01	32.95	31.88	30.93	30.10
25.52	33.82	32.40	39.65	37.36	35.07	35.29	32.64	29.24	25.62	21.72	18.76	16.30	14.16	12.14	10.55	9.33
9.99	10.38	10.55	10.83	10.95	10.93	10.99	10.84	10.71	10.57	10.42	10.31	10.24	10.13	10.00	9.87	9.77
3.09	4.06	4.03	4.00	5.03	5.02	4.99	4.91	4.81	4.70	4.60	4.52	4.43	4.31	4.20	4.09	3.97
26.04	**26.89**	**27.28**	**28.32**	**27.89**	**27.38**	**27.25**	**26.33**	**25.73**	**25.06**	**24.31**	**23.73**	**23.28**	**22.86**	**22.43**	**21.98**	**21.55**
4.72	4.93	5.03	5.27	5.21	5.13	5.13	4.97	4.87	4.76	4.63	4.53	4.45	4.39	4.31	4.24	4.17
15.13	15.65	15.90	16.58	16.35	16.09	16.04	15.52	15.17	14.80	14.36	14.03	13.77	13.54	13.28	13.03	12.78
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.18	6.31	6.34	6.47	6.32	6.16	6.08	5.84	5.68	5.51	5.32	5.17	5.05	4.94	4.83	4.71	4.60
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.70	**15.49**	**15.50**	**15.96**	**15.80**	**15.59**	**15.55**	**15.34**	**15.08**	**14.81**	**14.51**	**14.26**	**14.03**	**13.82**	**13.62**	**13.44**	**13.29**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.42	8.93	8.95	9.26	9.18	9.06	9.04	8.91	8.74	8.57	8.39	8.22	8.07	7.93	7.79	7.67	7.56
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.28	6.56	6.55	6.70	6.63	6.53	6.51	6.43	6.33	6.23	6.13	6.04	5.96	5.89	5.83	5.77	5.74
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.07	**86.47**	**85.19**	**94.79**	**95.04**	**92.26**	**92.71**	**88.69**	**83.97**	**79.01**	**73.81**	**69.86**	**66.61**	**63.67**	**60.79**	**58.50**	**56.76**
5.27	5.45	5.51	5.56	5.74	5.79	5.85	5.86	5.84	5.81	5.79	5.78	5.78	5.75	5.68	5.63	5.60
3.09	3.12	3.07	3.01	3.04	2.99	2.94	2.85	2.73	2.60	2.50	2.41	2.31	2.19	2.08	1.97	1.84
15.78	17.60	17.18	18.81	18.17	17.58	17.59	16.83	15.84	14.78	13.74	12.88	12.16	11.48	10.80	10.23	9.77
25.52	33.82	32.40	39.65	37.36	35.07	35.29	32.64	29.24	25.62	21.72	18.76	16.30	14.16	12.14	10.55	9.33
1.52	1.98	1.96	2.30	2.32	2.25	2.28	2.18	2.04	1.90	1.73	1.61	1.52	1.43	1.35	1.29	1.25
11.06	12.25	12.52	12.47	14.13	13.97	13.85	13.21	12.96	12.73	12.54	12.39	12.26	12.11	11.96	11.82	11.70
10.84	11.30	11.58	12.01	12.29	12.57	12.86	13.06	13.24	13.48	13.71	13.91	14.17	14.42	14.65	14.88	15.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.94	0.96	0.98	2.00	2.02	2.05	2.06	2.08	2.09	2.10	2.11	2.12	2.12	2.12	2.12	2.13

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**49.29**	**49.23**	**49.60**	**52.60**	**52.32**	**52.05**	**53.59**	**54.29**	**56.01**	**55.36**	**55.08**	**54.09**	**56.17**	**57.60**
Aviation Fuel	5.94	5.93	5.26	7.29	7.91	7.92	7.94	7.95	7.97	7.98	8.00	8.02	8.03	8.05
Diesel	22.80	22.75	23.35	24.06	24.31	24.25	25.08	25.43	26.77	26.47	26.32	25.76	27.40	28.21
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.11	0.10	0.11	0.09	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.10
Motor Gasoline	20.42	20.43	20.88	21.16	19.97	19.80	20.49	20.83	21.11	20.81	20.66	20.22	20.64	21.24
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	137.12	140.09	166.57	165.32	154.38	152.65	156.32	164.98	166.84	163.12	161.76	156.66	159.71	167.34
Total Electric and Steam Energy Demand for Generation	165.15	163.75	175.64	165.70	161.75	174.60	177.00	181.13	181.54	179.43	178.33	175.62	172.40	175.96
Less Electricity and Steam Secondary Demand	36.03	35.83	36.32	36.78	35.92	36.28	37.24	38.96	39.09	38.25	37.80	36.68	36.96	38.43
Total Primary Demand	**266.24**	**268.01**	**305.88**	**294.25**	**280.21**	**290.98**	**296.08**	**307.15**	**309.29**	**304.30**	**302.29**	**295.59**	**295.15**	**304.87**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	6.48	6.98	28.04	21.42	18.47	19.93	20.67	26.72	26.44	24.60	24.13	21.27	21.06	24.80
RPP	92.46	108.09	113.87	113.90	104.36	112.68	116.76	121.20	123.28	120.28	118.70	114.88	115.10	120.31
Coal, Coke and Coke Oven Gas	4.57	3.47	3.48	4.14	3.73	3.47	3.54	3.47	3.49	3.34	3.24	3.19	3.17	3.14
Hydro	154.23	141.20	150.66	144.94	144.31	145.41	145.54	145.82	145.79	145.58	145.46	145.22	144.28	144.48
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	8.51	8.27	9.83	9.85	9.35	9.49	9.57	9.94	10.28	10.51	10.76	11.04	11.54	12.14

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**11.36**	**11.43**	**12.27**	**11.90**	**10.96**	**10.93**	**10.55**	**10.80**	**10.52**	**10.26**	**10.09**	**9.90**	**9.78**	**9.77**
Residential (PJ/Personal Income)	1.95	1.98	2.09	2.01	1.87	1.97	1.95	1.92	1.90	1.87	1.84	1.82	1.78	1.76
Commercial (PJ/GO)	0.91	0.96	1.01	1.08	1.05	1.03	1.01	1.00	0.98	0.96	0.94	0.93	0.92	0.90
Industrial (PJ/GO)	7.02	6.65	8.63	8.66	6.86	6.51	6.42	6.79	6.08	5.83	5.72	5.45	4.81	5.06
Transportation (PJ/GDP)	4.08	4.02	3.65	3.79	3.71	3.73	3.62	3.55	3.53	3.48	3.44	3.42	3.44	3.36

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
58.48	**58.73**	**60.51**	**63.29**	**62.27**	**61.47**	**61.58**	**58.48**	**57.20**	**55.91**	**54.54**	**53.56**	**52.79**	**52.12**	**51.49**	**50.99**	**50.60**
8.06	8.08	8.10	8.11	8.13	8.15	8.16	8.18	8.19	8.21	8.23	8.24	8.26	8.28	8.29	8.31	8.33
28.73	28.14	29.52	31.07	30.39	29.94	30.05	27.82	27.08	26.37	25.65	25.17	24.77	24.44	24.14	23.92	23.79
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.11	0.11	0.12	0.12	0.11	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10
21.58	22.39	22.78	23.98	23.63	23.26	23.25	22.37	21.82	21.22	20.56	20.05	19.66	19.31	18.96	18.66	18.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
172.28	187.58	188.47	202.37	201.00	196.70	197.09	188.85	181.98	174.79	167.18	161.40	156.72	152.48	148.34	144.91	142.20
177.93	225.51	225.59	229.01	228.42	226.85	224.21	222.29	219.45	216.39	213.39	211.05	209.14	207.39	205.67	204.11	202.76
39.32	43.12	42.99	45.63	45.70	44.75	44.72	43.32	41.83	40.74	38.56	37.24	36.12	35.07	34.00	33.05	32.23
310.89	**369.96**	**371.07**	**385.75**	**383.72**	**378.80**	**376.58**	**367.82**	**359.59**	**350.93**	**342.00**	**335.22**	**329.73**	**324.80**	**320.00**	**315.97**	**312.73**
27.64	35.99	34.55	41.84	39.53	37.23	44.90	42.23	38.60	34.49	29.98	26.53	23.83	21.32	18.44	16.07	14.03
122.96	129.85	131.79	138.24	138.33	135.78	125.72	119.98	115.77	111.64	107.65	104.63	102.19	100.18	98.70	97.43	96.57
3.09	3.12	3.07	3.01	3.04	2.99	2.94	2.85	2.73	2.60	2.50	2.41	2.31	2.19	2.08	1.97	1.84
144.59	187.60	187.79	188.18	188.01	187.84	187.82	187.60	187.34	187.07	186.79	186.57	186.30	186.01	185.74	185.49	185.29
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.62	13.40	13.86	14.48	14.81	14.96	15.19	15.16	15.15	15.12	15.08	15.08	15.10	15.09	15.04	15.01	15.01

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
9.75	**9.91**	**9.80**	**9.83**	**9.88**	**9.82**	**9.77**	**9.73**	**9.65**	**9.55**	**9.45**	**9.35**	**9.28**	**9.21**	**9.13**	**9.06**	**8.98**
1.73	1.70	1.67	1.63	1.61	1.59	1.57	1.56	1.55	1.53	1.52	1.51	1.50	1.48	1.47	1.45	1.42
0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.83	0.82	0.82	0.81	0.81	0.80	0.80	0.79
5.22	6.82	6.01	6.36	6.43	6.28	6.27	6.77	6.55	6.29	5.98	5.72	5.48	5.27	5.07	4.89	4.74
3.31	3.10	3.15	3.07	3.06	3.07	3.05	3.01	3.03	3.06	3.08	3.10	3.13	3.15	3.17	3.19	3.20

Table A2.35: Demand, Fortified Islands, Northwest Territories

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	90.90	73.47	57.39	59.29	83.18	85.49	89.70	106.24	113.90	115.53	117.09	118.38	116.20	116.00
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	12.11	14.46	14.84	14.70	14.56	14.40	14.24
Light Fuel Oil	15.90	15.80	14.90	17.19	17.14	20.56	21.48	21.17	21.54	21.96	21.76	21.55	21.32	21.08
Commercial														
Electricity	83.43	67.70	52.36	49.59	67.58	68.65	72.06	85.95	92.35	93.71	95.02	96.11	94.31	94.18
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	10.91	13.27	13.66	13.53	13.40	13.26	13.11
Light Fuel Oil	15.90	15.80	14.90	17.19	17.41	20.81	21.71	21.39	21.76	22.18	21.97	21.77	21.53	21.29
Industrial														
Electricity	38.74	37.74	36.22	34.69	32.18	33.53	35.35	41.48	44.38	45.00	45.58	46.06	45.21	45.10
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	10.13	12.51	12.90	12.78	12.66	12.52	12.38
Heavy Fuel Oil	10.56	10.49	9.89	11.41	11.48	15.29	16.60	16.49	16.91	17.36	17.21	17.04	16.86	16.67
Transportation														
Gasoline	33.21	33.33	33.53	33.53	33.53	35.82	35.60	34.71	34.95	35.26	34.94	34.60	34.23	33.85
Diesel	25.90	26.03	25.74	25.34	25.34	28.20	28.55	27.95	28.25	28.62	28.36	28.08	27.78	27.47

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**17.85**	**24.06**	**19.38**	**17.34**	**17.02**	**16.40**	**16.23**	**16.23**	**15.98**	**15.84**	**15.64**	**16.19**	**17.31**	**17.81**
RPP[1,2]	11.50	14.95	11.31	10.15	10.11	10.35	10.65	10.84	10.82	10.85	10.83	11.45	12.09	12.42
Electric	1.88	1.90	1.96	2.21	2.28	2.27	2.35	2.35	2.34	2.32	2.28	2.30	2.41	2.46
Natural Gas	4.42	7.06	5.96	4.82	4.46	3.61	3.05	2.84	2.63	2.47	2.31	2.22	2.56	2.68
Biofuels & Emerging Energy[3]	0.14	0.16	0.15	0.16	0.16	0.16	0.18	0.19	0.20	0.20	0.21	0.22	0.24	0.25
Other[3]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**2.14**	**2.10**	**2.08**	**1.88**	**1.91**	**1.92**	**2.04**	**2.13**	**2.14**	**2.16**	**2.16**	**2.24**	**2.33**	**2.38**
Biomass	0.14	0.16	0.15	0.16	0.16	0.16	0.17	0.19	0.19	0.20	0.21	0.22	0.24	0.25
Electricity	0.38	0.37	0.40	0.40	0.41	0.41	0.43	0.45	0.45	0.45	0.45	0.46	0.47	0.48
Natural Gas	0.16	0.15	0.14	0.17	0.18	0.17	0.17	0.17	0.16	0.15	0.14	0.14	0.13	0.13
RPP	1.47	1.41	1.40	1.16	1.17	1.18	1.26	1.33	1.34	1.36	1.37	1.42	1.49	1.53
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**3.21**	**3.28**	**2.84**	**3.39**	**3.19**	**3.32**	**3.37**	**3.40**	**3.39**	**3.40**	**3.36**	**3.41**	**3.49**	**3.54**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.60	0.62	0.63	0.65	0.66	0.72	0.73	0.74	0.74	0.74	0.73	0.74	0.76	0.77
Natural Gas	1.18	1.71	1.19	1.65	1.00	1.15	1.16	1.17	1.15	1.14	1.12	1.13	1.13	1.13
RPP	1.43	0.95	1.01	1.10	1.52	1.45	1.47	1.49	1.50	1.51	1.51	1.54	1.60	1.64
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**4.82**	**7.70**	**7.17**	**5.52**	**5.20**	**4.34**	**3.78**	**3.51**	**3.27**	**3.07**	**2.90**	**2.79**	**3.25**	**3.43**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.91	0.91	0.94	1.17	1.21	1.14	1.18	1.17	1.15	1.13	1.11	1.10	1.18	1.22
Natural Gas	3.08	5.19	4.62	3.01	3.28	2.29	1.72	1.51	1.32	1.17	1.06	0.95	1.30	1.43
LPG & Petroleum Feedstocks	0.11	0.12	0.15	0.14	0.13	0.16	0.16	0.16	0.15	0.15	0.15	0.14	0.16	0.17
RPP	0.72	1.49	1.46	1.20	0.58	0.74	0.72	0.68	0.65	0.63	0.60	0.59	0.61	0.61
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
115.86	116.10	121.74	131.47	136.85	136.80	136.74	139.00	139.10	139.42	139.84	140.11	141.64	146.36	146.73	147.19	147.70
14.09	13.95	13.84	13.73	13.63	13.55	13.49	13.44	13.39	13.34	13.29	13.25	13.20	13.16	13.11	13.06	13.02
20.85	20.65	20.48	20.32	20.17	20.05	19.96	19.89	19.82	19.75	19.68	19.61	19.54	19.47	19.40	19.33	19.27
94.10	94.33	99.10	107.30	111.84	111.83	111.81	113.74	113.84	114.13	114.51	114.76	116.07	120.05	120.39	120.79	121.26
12.97	12.84	12.74	12.64	12.55	12.47	12.42	12.37	12.33	12.28	12.24	12.20	12.15	12.11	12.07	12.03	11.98
21.06	20.86	20.68	20.52	20.37	20.25	20.16	20.08	20.01	19.94	19.87	19.80	19.73	19.66	19.59	19.53	19.46
45.03	45.10	47.14	50.77	52.78	52.74	52.70	53.52	53.56	53.66	53.80	53.88	54.44	56.21	56.34	56.50	56.68
12.25	12.13	12.03	11.93	11.85	11.78	11.73	11.68	11.64	11.60	11.56	11.52	11.48	11.44	11.40	11.36	11.32
16.49	16.33	16.19	16.07	15.95	15.86	15.79	15.72	15.67	15.61	15.56	15.50	15.45	15.40	15.34	15.29	15.24
33.48	33.16	32.88	32.62	32.39	32.20	32.05	31.93	31.82	31.71	31.59	31.48	31.37	31.26	31.15	31.04	30.94
27.17	26.91	26.69	26.48	26.28	26.13	26.01	25.91	25.82	25.73	25.64	25.55	25.46	25.37	25.28	25.19	25.11

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
17.71	**42.96**	**55.94**	**56.08**	**56.23**	**56.57**	**79.84**	**80.15**	**79.96**	**79.87**	**80.03**	**96.17**	**97.17**	**97.33**	**97.53**	**97.68**	**97.85**
12.35	13.05	13.70	13.81	13.93	14.24	15.81	16.09	15.87	15.75	15.89	16.58	16.98	17.12	17.26	17.41	17.57
2.46	3.07	3.35	3.31	3.27	3.23	3.66	3.61	3.55	3.49	3.45	3.67	3.73	3.69	3.66	3.62	3.59
2.64	24.78	35.80	35.75	35.72	35.69	55.03	55.01	54.98	54.99	54.99	68.76	69.23	69.24	69.28	69.29	69.29
0.25	0.55	0.72	0.74	0.76	0.78	1.10	1.12	1.15	1.17	1.18	1.41	1.43	1.45	1.46	1.47	1.48
0.00	1.51	2.37	2.47	2.56	2.63	4.25	4.33	4.41	4.47	4.52	5.75	5.79	5.83	5.87	5.89	5.91
2.37	**2.44**	**2.50**	**2.52**	**2.53**	**2.57**	**2.67**	**2.71**	**2.74**	**2.75**	**2.77**	**2.81**	**2.87**	**2.89**	**2.91**	**2.93**	**2.94**
0.25	0.26	0.27	0.28	0.29	0.29	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.38
0.47	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.52	0.52	0.52	0.52
0.12	0.12	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05
1.53	1.58	1.63	1.65	1.67	1.69	1.78	1.81	1.83	1.84	1.86	1.89	1.93	1.96	1.97	1.99	2.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.54	**3.61**	**3.69**	**3.73**	**3.75**	**3.80**	**3.93**	**3.99**	**4.01**	**4.05**	**4.11**	**4.20**	**4.30**	**4.37**	**4.44**	**4.51**	**4.58**
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.78	0.78	0.78	0.79	0.79	0.80	0.80	0.80	0.80
1.11	1.12	1.13	1.13	1.13	1.13	1.17	1.18	1.18	1.18	1.20	1.22	1.25	1.27	1.29	1.30	1.33
1.66	1.70	1.75	1.79	1.82	1.85	1.94	1.98	1.99	2.02	2.06	2.12	2.18	2.23	2.28	2.32	2.37
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
3.42	**28.53**	**41.13**	**41.16**	**41.20**	**41.22**	**63.40**	**63.43**	**63.43**	**63.45**	**63.45**	**79.26**	**79.84**	**79.84**	**79.87**	**79.84**	**79.82**
0.00	0.26	0.41	0.43	0.44	0.45	0.74	0.75	0.76	0.77	[illegible]	1.00	1.00	1.01	1.02	1.02	1.03
0.00	0.47	0.74	0.77	0.79	0.81	1.31	1.34	1.35	1.37	1.38	1.75	1.76	1.77	1.78	1.78	1.79
1.23	1.81	2.08	2.04	2.00	1.97	2.36	2.31	2.26	2.21	2.17	2.38	2.43	2.38	2.34	2.30	2.27
1.41	23.55	34.57	34.52	34.49	34.46	53.77	53.75	53.73	53.73	53.72	67.47	67.92	67.91	67.94	67.93	67.92
0.17	0.24	0.27	0.28	0.28	0.28	0.35	0.35	0.35	0.35	0.35	0.40	0.42	0.42	0.42	0.42	0.42
0.60	1.15	1.43	1.43	1.42	1.42	1.92	1.92	1.91	1.91	1.91	2.26	2.28	2.28	2.28	2.28	2.28
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.00	1.03	1.62	1.69	1.75	1.80	2.92	2.98	3.03	3.07	3.11	3.96	4.00	4.03	4.05	4.07	4.09

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**7.78**	**10.98**	**7.29**	**6.55**	**6.71**	**6.82**	**7.05**	**7.19**	**7.16**	**7.21**	**7.21**	**7.75**	**8.23**	**8.47**
Aviation Fuel	1.62	3.02	1.95	1.85	1.98	2.00	2.02	2.05	2.07	2.10	2.12	2.15	2.18	2.20
Diesel	4.75	6.46	4.17	3.45	3.48	3.59	3.73	3.80	3.75	3.74	3.72	4.18	4.56	4.74
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Lubricants	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Motor Gasoline	1.38	1.48	1.16	1.22	1.23	1.20	1.27	1.32	1.33	1.34	1.35	1.41	1.47	1.51
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	17.95	24.06	19.38	17.34	17.02	16.40	16.23	16.23	15.98	15.84	15.64	16.19	17.31	17.81
Total Electric and Steam Energy Demand for Generation	2.19	2.42	1.71	1.32	1.37	5.06	5.36	5.36	5.30	5.25	5.09	5.13	5.49	5.68
Less Electricity and Steam Secondary Demand	1.88	1.90	1.96	2.21	2.29	2.27	2.35	2.35	2.34	2.32	2.28	2.30	2.41	2.46
Total Primary Demand	**18.26**	**24.59**	**19.13**	**16.44**	**16.10**	**19.19**	**19.24**	**19.24**	**18.94**	**18.78**	**18.44**	**19.03**	**20.38**	**21.03**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	4.42	7.05	5.96	4.82	4.46	3.87	3.35	3.15	2.92	2.76	2.56	2.48	2.86	3.00
RPP	12.81	16.49	12.19	10.66	10.62	14.12	14.68	14.87	14.79	14.78	14.62	15.28	16.23	16.73
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.89	0.89	0.84	0.81	0.86	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.14	0.16	0.15	0.16	0.16	0.16	0.18	0.19	0.20	0.20	0.23	0.24	0.26	0.27

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**14.67**	**17.57**	**13.67**	**10.87**	**10.08**	**9.36**	**9.12**	**8.85**	**8.57**	**8.36**	**8.22**	**8.16**	**8.26**	**8.22**
Residential (PJ/Personal Income)	2.55	2.36	2.27	2.04	2.01	2.07	2.05	2.03	2.00	1.98	1.95	1.92	1.90	1.87
Commercial (PJ/GO)	1.20	1.16	0.96	1.13	1.03	1.04	1.02	1.00	0.98	0.96	0.95	0.94	0.92	0.91
Industrial (PJ/GO)	3.32	4.34	3.95	3.02	2.70	2.16	1.79	1.61	1.50	1.39	1.29	1.07	1.14	1.16
Transportation (PJ/GDP)	6.36	8.02	5.14	4.11	3.98	3.97	3.96	3.92	3.85	3.80	3.79	3.91	3.93	3.91

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.38	**8.38**	**8.61**	**8.67**	**8.74**	**8.99**	**9.83**	**10.03**	**9.77**	**9.63**	**9.71**	**9.91**	**10.16**	**10.23**	**10.31**	**10.40**	**10.50**
2.23	2.25	2.28	2.31	2.34	2.36	2.39	2.42	2.45	2.48	2.51	2.54	2.57	2.60	2.63	2.66	2.70
4.63	4.56	4.71	4.73	4.75	4.93	5.64	5.76	5.46	5.27	5.29	5.41	5.57	5.57	5.58	5.61	5.65
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1.51	1.55	1.60	1.62	1.64	1.68	1.78	1.83	1.85	1.86	1.90	1.95	2.01	2.05	2.08	2.11	2.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
17.71	42.96	55.94	56.08	56.23	56.57	79.84	80.15	79.96	79.87	80.03	96.17	97.17	97.33	97.53	97.68	97.85
5.68	7.61	8.60	8.49	8.38	8.28	9.53	9.38	9.18	9.05	8.92	9.81	9.99	9.87	9.77	9.66	9.58
2.46	4.10	4.98	5.01	5.02	5.04	6.58	6.60	6.59	6.58	6.58	7.65	7.75	7.74	7.73	7.72	7.70
20.93	**46.46**	**59.56**	**59.56**	**59.50**	**59.81**	**87.78**	**82.94**	**82.55**	**82.30**	**82.37**	**98.33**	**99.42**	**99.46**	**99.57**	**99.62**	**99.72**
2.97	28.10	41.78	41.67	41.60	41.53	61.30	61.24	61.16	61.14	61.09	76.77	77.33	77.27	77.21	77.21	77.17
16.66	16.29	15.32	15.37	15.44	15.70	18.02	18.20	17.84	17.63	17.68	17.47	17.96	18.05	18.14	18.25	18.38
0.00	0.47	0.74	0.77	0.80	0.82	1.32	1.34	1.37	1.38	1.39	1.77	1.78	1.79	1.79	1.80	1.80
1.03	1.03	0.99	0.98	0.97	0.97	1.02	1.02	1.01	1.01	1.00	0.89	0.90	0.89	0.89	0.88	0.88
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.27	0.57	0.73	0.76	0.78	0.80	1.11	1.13	1.17	1.18	1.20	1.43	1.45	1.46	1.47	1.48	1.49

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.10	**18.78**	**23.62**	**23.35**	**23.09**	**22.69**	**30.00**	**29.54**	**29.07**	**28.86**	**28.44**	**33.21**	**32.44**	**31.93**	**31.51**	**31.10**	**30.65**
1.85	1.83	1.81	1.78	1.76	1.73	1.70	1.67	1.65	1.63	1.61	1.58	1.56	1.53	1.51	1.49	1.47
0.90	0.87	0.87	0.86	0.85	0.85	0.84	0.84	0.81	0.81	0.80	0.80	0.80	0.79	0.79	0.79	0.78
1.18	9.43	12.58	12.40	12.24	11.67	14.75	14.28	14.90	15.44	15.29	17.78	17.73	17.63	17.54	17.35	17.14
3.83	3.66	3.64	3.61	3.59	3.61	3.69	3.69	3.55	3.48	3.45	3.42	3.39	3.36	3.33	3.31	3.29

Table A2.36: Demand, Fortified Islands, Nova Scotia

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	29.49	26.95	29.84	27.54	25.36	23.91	27.40	27.05	29.18	29.92	30.50	30.74	30.86	30.92
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.77	15.12	15.49	15.35	15.20	15.04	14.87
Light Fuel Oil	13.92	13.57	12.96	15.20	15.15	18.71	19.77	19.52	19.91	20.35	20.16	19.97	19.75	19.53
Commercial														
Electricity	22.83	21.58	24.52	24.68	22.74	21.42	25.54	25.30	27.65	28.47	29.15	29.46	29.65	29.77
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.48	12.85	13.24	13.12	12.99	12.85	12.71
Light Fuel Oil	13.92	13.57	12.96	15.20	15.39	18.93	19.97	19.72	20.10	20.54	20.35	20.16	19.94	19.72
Industrial														
Electricity	18.71	19.12	20.81	14.89	18.65	17.55	21.70	21.45	23.66	24.45	25.11	25.43	25.64	25.79
Natural Gas	4.61	4.60	5.23	5.21	5.33	6.52	7.80	9.21	11.59	11.99	11.88	11.77	11.64	11.51
Heavy Fuel Oil	9.71	9.46	9.04	10.61	10.68	14.54	15.91	15.83	16.25	16.71	16.56	16.40	16.23	16.05
Transportation														
Gasoline	29.72	29.40	29.30	29.30	29.30	31.88	31.96	31.22	31.49	31.83	31.54	31.24	30.90	30.56
Diesel	23.71	25.01	22.49	22.52	22.52	25.57	26.12	25.61	25.94	26.32	26.09	25.84	25.56	25.27

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**204.41**	**206.30**	**220.55**	**227.84**	**226.54**	**222.79**	**221.16**	**223.64**	**224.55**	**221.10**	**222.27**	**217.02**	**216.50**	**216.53**
RPP[1,2]	151.09	153.24	161.82	163.90	165.00	159.54	158.77	158.94	160.86	158.38	158.68	155.89	156.12	157.01
Electric	34.83	35.87	35.88	36.70	37.13	38.00	38.10	38.33	38.10	37.80	37.61	37.39	37.45	37.41
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.78	6.93	9.06	8.34	7.83	9.00	6.64	5.54	4.45
Biofuels & Emerging Energy[3]	13.12	13.26	15.74	17.73	16.14	17.46	17.36	17.30	17.25	17.09	16.97	17.08	17.38	17.64
Other[4]	0.42	0.33	0.24	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Residential Sector	**40.74**	**42.25**	**42.02**	**42.95**	**34.92**	**42.38**	**43.12**	**44.01**	**44.30**	**44.22**	**44.55**	**44.35**	**44.46**	**44.49**
Biomass	4.71	4.71	4.68	4.67	4.70	5.98	6.12	6.30	6.40	6.44	6.54	6.57	6.67	6.77
Electricity	13.31	14.30	14.78	14.46	14.81	16.65	16.95	17.30	17.39	17.33	17.41	17.30	17.36	17.38
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	22.33	22.93	22.33	23.81	15.40	19.75	20.05	20.40	20.52	20.46	20.59	20.48	20.43	20.34
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.39	0.32	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**24.29**	**26.49**	**26.12**	**31.34**	**30.97**	**32.39**	**32.34**	**32.30**	**31.76**	**31.56**	**31.34**	**31.27**	**31.33**	**31.34**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	11.18	11.50	11.78	12.19	11.98	11.63	11.62	11.60	11.38	11.29	11.17	11.10	11.04	10.96
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	13.10	14.99	14.34	19.15	19.00	20.76	20.72	20.70	20.38	20.27	20.17	20.17	20.29	20.38
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**58.78**	**59.74**	**72.60**	**71.34**	**64.89**	**61.26**	**59.19**	**60.72**	**60.53**	**59.40**	**60.53**	**57.82**	**57.18**	**56.93**
Biomass	8.41	8.55	11.06	13.06	11.44	11.48	11.23	11.00	10.86	10.65	10.44	10.51	10.71	10.88
Coal, Coke & Coke Oven Gas	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Electricity	10.33	10.07	9.31	10.03	10.32	9.70	9.51	9.40	9.30	9.16	9.00	8.97	9.03	9.05
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.78	6.93	9.06	8.34	7.83	9.00	6.64	5.54	4.45
LPG & Petroleum Feedstocks	6.34	7.96	13.43	4.14	3.87	3.70	3.77	3.81	3.84	3.87	3.87	3.94	4.02	4.09
RPP	18.68	15.92	16.57	17.63	16.41	15.37	14.75	14.46	15.29	14.70	14.70	13.88	13.73	13.80
Still Gas & Petroleum Coke	10.04	13.64	15.36	16.97	14.59	13.22	12.99	12.99	12.89	13.18	13.51	13.86	14.14	14.66
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
30.69	31.06	31.21	31.15	31.31	31.54	31.78	31.94	32.26	32.60	32.95	33.35	33.79	34.22	34.70	35.15	35.72
14.71	14.57	14.44	14.33	14.23	14.14	14.08	14.02	13.98	13.93	13.88	13.83	13.78	13.73	13.68	13.64	13.59
19.32	19.13	18.98	18.83	18.69	18.58	18.50	18.42	18.36	18.30	18.23	18.17	18.10	18.04	17.98	17.91	17.85
29.81	30.05	30.26	30.25	30.48	30.78	31.08	31.30	31.69	32.10	32.51	32.98	33.49	33.99	34.55	35.08	35.73
12.57	12.45	12.35	12.25	12.16	12.09	12.03	11.99	11.95	11.90	11.86	11.82	11.78	11.74	11.70	11.66	11.62
19.50	19.31	19.15	19.00	18.86	18.75	18.67	18.60	18.53	18.47	18.40	18.34	18.27	18.21	18.15	18.08	18.02
25.86	26.12	26.35	26.37	26.61	26.91	27.22	27.45	27.84	28.24	28.65	29.11	29.61	30.10	30.64	31.15	31.77
11.39	11.28	11.18	11.09	11.01	10.95	10.90	10.86	10.82	10.78	10.74	10.71	10.67	10.63	10.59	10.56	10.52
15.87	15.72	15.59	15.46	15.35	15.26	15.19	15.13	15.08	15.03	14.98	14.92	14.87	14.82	14.77	14.72	14.66
30.22	29.93	29.68	29.45	29.24	29.07	28.94	28.82	28.72	28.62	28.52	28.42	28.32	28.22	28.12	28.02	27.93
25.00	24.76	24.55	24.36	24.18	24.04	23.93	23.84	23.76	23.67	23.59	23.51	23.42	23.34	23.26	23.18	23.10

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
215.91	**217.23**	**219.81**	**220.61**	**221.11**	**222.04**	**228.90**	**229.87**	**232.23**	**240.60**	**241.00**	**241.35**	**242.43**	**243.34**	**253.19**	**253.13**	**253.37**
157.23	158.94	161.57	162.58	163.26	164.22	162.70	163.63	166.00	165.77	166.30	166.77	167.80	168.81	170.51	171.42	172.50
37.27	37.30	37.46	37.47	37.43	37.45	37.55	37.54	37.53	37.55	37.43	37.31	37.29	37.21	37.25	37.10	36.97
3.64	3.03	2.57	2.23	1.97	1.75	9.89	9.87	9.86	18.48	18.47	18.46	18.45	18.45	26.64	25.89	25.21
17.77	17.95	18.19	18.32	18.43	18.61	18.74	18.81	18.84	18.79	18.79	18.80	18.88	18.86	18.78	18.71	18.68
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
44.47	**44.72**	**45.17**	**45.31**	**45.40**	**45.49**	**45.31**	**45.45**	**45.68**	**45.60**	**45.51**	**45.37**	**45.38**	**45.36**	**45.36**	**45.24**	**45.10**
6.85	6.96	7.11	7.21	7.29	7.37	7.40	7.49	7.58	7.62	7.66	7.68	7.73	7.78	7.82	7.84	7.85
17.38	17.49	17.67	17.73	17.78	17.81	17.75	17.81	17.90	17.87	17.83	17.78	17.78	17.76	17.76	17.70	17.64
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.24	20.27	20.39	20.37	20.34	20.30	20.16	20.16	20.20	20.11	20.02	19.91	19.87	19.82	19.78	19.70	19.60
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.31	**31.41**	**31.59**	**31.77**	**31.91**	**32.09**	**32.36**	**32.58**	**32.82**	**33.09**	**33.31**	**33.50**	**33.76**	**34.02**	**34.31**	**34.55**	**34.84**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.86	10.81	10.78	10.75	10.71	10.68	10.68	10.66	10.65	10.66	10.64	10.62	10.62	10.62	10.63	10.62	10.63
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.45	20.60	20.81	21.01	21.20	21.41	21.67	21.92	22.17	22.44	22.67	22.88	23.14	23.40	23.68	23.93	24.21
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.22	**56.34**	**56.69**	**56.81**	**56.76**	**56.92**	**65.06**	**65.13**	**65.51**	**74.14**	**74.20**	**74.32**	**74.66**	**74.86**	**83.63**	**83.01**	**82.64**
10.92	10.99	11.07	11.11	11.14	11.23	11.34	11.33	11.25	11.17	11.13	11.12	11.14	11.09	10.97	10.87	10.83
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9.00	8.98	8.99	8.96	8.93	8.94	9.11	9.05	8.96	9.01	8.94	8.90	8.87	8.81	8.84	8.75	8.68
3.64	3.03	2.57	2.23	1.97	1.75	9.89	9.87	9.85	18.48	18.47	18.46	18.45	18.45	26.64	25.89	25.21
4.11	4.15	4.23	4.30	4.36	4.44	4.54	4.60	4.63	4.65	4.69	4.73	4.80	4.85	4.88	4.92	4.96
13.70	13.87	14.26	14.20	14.10	14.03	13.38	13.31	13.67	13.44	13.36	13.30	13.30	13.31	13.69	13.72	13.80
14.84	15.30	15.56	15.99	16.24	16.51	16.79	16.96	17.14	17.37	17.60	17.81	18.08	18.35	18.61	18.85	19.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**80.60**	**77.82**	**79.81**	**82.21**	**86.76**	**86.75**	**86.50**	**86.61**	**87.96**	**85.92**	**85.86**	**83.57**	**83.53**	**83.76**
Aviation Fuel	6.90	6.23	6.37	7.09	9.66	9.71	9.77	9.83	9.89	9.95	10.01	10.07	10.13	10.19
Diesel	27.80	27.10	28.23	29.10	30.82	31.16	31.03	31.01	32.75	31.38	31.54	29.79	29.69	29.89
Electric	0.00	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	2.91	2.25	2.30	2.30	2.35	2.38	2.40	2.43	2.45	2.47	2.50	2.52	2.55	2.57
LPG	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.03
Lubricants	0.32	0.28	0.29	0.25	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.27	0.28	0.28
Motor Gasoline	42.60	41.86	42.53	43.38	43.60	43.17	42.97	43.01	42.54	41.78	41.47	40.86	40.82	40.77
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	204.41	206.30	220.55	227.84	226.54	222.79	221.16	223.64	224.56	221.10	222.27	217.02	216.50	216.53
Total Electric and Steam Energy Demand for Generation	117.69	89.01	80.98	95.23	100.40	94.90	97.58	97.73	94.80	94.42	92.75	92.01	91.21	90.75
Less Electricity and Steam Secondary Demand	34.83	35.87	35.88	36.70	37.13	38.00	38.10	38.33	38.10	37.80	37.61	37.39	37.45	37.41
Total Primary Demand	**287.26**	**259.43**	**265.64**	**286.36**	**289.81**	**279.69**	**280.63**	**283.04**	**281.25**	**277.73**	**277.42**	**271.63**	**270.26**	**269.87**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	4.95	3.58	6.86	9.49	8.26	7.80	6.94	9.07	8.36	7.85	9.01	6.66	5.55	4.47
RPP	167.32	164.34	165.34	181.72	183.83	195.07	195.41	195.58	196.55	193.55	193.21	190.07	174.56	175.15
Coal, Coke and Coke Oven Gas	98.54	75.57	73.87	73.37	78.25	51.20	52.76	52.30	49.70	49.22	47.57	46.55	60.88	60.09
Hydro	3.33	2.56	3.72	3.92	3.23	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	13.12	13.38	15.86	17.85	16.25	22.24	22.14	22.70	23.27	23.73	24.24	24.97	25.89	26.77

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**9.09**	**8.87**	**9.12**	**9.37**	**9.02**	**8.77**	**8.52**	**8.45**	**8.34**	**8.17**	**8.10**	**7.86**	**7.72**	**7.60**
Residential (PJ/Personal Income)	1.94	1.98	1.97	2.03	1.63	1.95	1.93	1.91	1.89	1.88	1.86	1.83	1.80	1.77
Commercial (PJ/GO)	0.87	0.93	0.89	1.06	1.30	1.03	1.00	0.98	0.96	0.94	0.92	0.91	0.89	0.88
Industrial (PJ/GO)	4.36	4.08	4.73	4.64	4.17	3.96	3.78	3.80	3.52	3.51	3.53	3.45	3.35	3.24
Transportation (PJ/GDP)	3.58	3.35	3.30	3.38	3.45	3.42	3.33	3.27	3.27	3.17	3.13	3.03	2.98	2.94

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
83.92	**84.76**	**86.36**	**86.73**	**87.05**	**87.54**	**86.18**	**86.71**	**88.23**	**87.77**	**87.97**	**88.15**	**88.63**	**89.10**	**89.89**	**90.32**	**90.80**
10.25	10.31	10.37	10.44	10.50	10.56	10.62	10.69	10.75	10.82	10.88	10.95	11.01	11.08	11.15	11.21	11.28
29.97	30.48	31.49	31.53	31.56	31.64	30.19	30.25	31.18	30.49	30.43	30.39	30.46	30.56	30.93	31.09	31.31
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.60	2.63	2.65	2.68	2.71	2.73	2.76	2.79	2.82	2.84	2.87	2.90	2.93	2.96	2.99	3.02	3.05
0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
0.29	0.29	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.36	0.36	0.37	0.37
40.77	41.01	41.49	41.74	41.94	42.26	42.26	42.62	43.12	43.26	43.42	43.54	43.84	44.12	44.43	44.61	44.76
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
215.91	217.23	219.81	220.61	221.11	222.04	228.90	229.87	232.23	240.60	241.00	241.35	242.43	243.34	253.18	253.13	253.37
90.38	88.87	89.14	89.09	89.00	89.80	89.99	89.93	89.84	90.30	89.46	89.01	88.92	88.61	88.64	88.14	87.73
37.27	37.30	37.46	37.47	37.43	37.45	37.55	37.54	37.53	37.55	37.43	37.31	37.29	37.21	37.25	37.10	36.97
269.03	**268.80**	**271.48**	**272.24**	**272.68**	**274.39**	**281.34**	**282.25**	**284.54**	**293.35**	**293.02**	**293.05**	**294.05**	**294.74**	**304.58**	**304.17**	**304.13**
3.66	3.05	2.59	2.25	1.99	1.77	9.91	9.89	9.87	18.50	18.48	18.47	18.47	18.46	26.65	25.90	25.23
175.31	163.98	166.66	167.60	168.20	168.03	166.46	167.34	169.67	168.45	168.84	169.16	170.12	171.03	172.67	173.40	174.32
59.17	70.20	70.00	69.68	69.40	71.09	71.14	70.91	70.66	71.91	71.00	70.50	70.27	69.86	69.75	69.06	68.60
3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.52	28.19	28.85	29.32	29.71	30.11	30.45	30.73	30.96	31.12	31.32	31.54	31.81	32.00	32.13	32.42	32.60

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.49	**7.41**	**7.35**	**7.27**	**7.20**	**7.13**	**7.28**	**7.22**	**7.18**	**7.37**	**7.30**	**7.24**	**7.19**	**7.13**	**7.32**	**7.24**	**7.16**
1.74	1.71	1.68	1.65	1.62	1.60	1.57	1.54	1.52	1.49	1.47	1.44	1.42	1.39	1.37	1.35	1.32
0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.81	0.80	0.80	0.79	0.79	0.79	0.78	0.78	0.78
3.15	3.07	2.98	2.95	2.92	2.89	3.36	3.33	3.26	3.71	3.70	3.68	3.66	3.64	3.98	3.92	3.85
2.91	2.89	2.89	2.86	2.83	2.81	2.74	2.72	2.73	2.69	2.67	2.65	2.63	2.61	2.60	2.58	2.56

Table A2.37: Demand, Fortified Islands, Nunavut

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	90.90	73.47	57.39	59.29	83.18	67.58	68.25	84.54	108.12	113.87	115.02	116.17	117.32	118.46
Natural Gas	8.77	8.80	8.30	8.60	8.60	9.57	10.62	11.92	14.27	14.65	14.51	14.38	14.22	14.06
Light Fuel Oil	15.90	15.80	14.90	17.19	17.14	20.56	21.48	21.17	21.54	21.96	21.76	21.55	21.32	21.08
Commercial														
Electricity	83.43	67.70	52.36	49.59	67.58	67.58	68.25	84.54	108.12	113.87	115.02	116.17	117.32	118.46
Natural Gas	7.10	7.30	6.87	7.18	7.18	8.24	9.39	10.74	13.11	13.50	13.37	13.24	13.10	12.96
Light Fuel Oil	15.90	15.80	14.90	17.19	17.41	20.81	21.71	21.39	21.76	22.18	21.97	21.77	21.53	21.29
Industrial														
Electricity	38.74	37.74	36.22	34.69	32.18	32.18	32.50	40.25	51.48	54.22	54.77	55.31	55.86	56.41
Natural Gas	4.88	6.32	5.85	6.33	6.33	7.45	8.66	10.04	12.41	12.80	12.69	12.57	12.43	12.29
Heavy Fuel Oil	10.56	10.49	9.89	11.41	11.48	15.29	16.60	16.49	16.91	17.36	17.21	17.04	16.86	16.67
Transportation														
Gasoline	33.21	33.33	33.53	33.53	33.53	35.82	35.60	34.71	34.95	35.26	34.94	34.60	34.23	33.85
Diesel	25.90	26.03	25.74	25.34	25.34	28.20	28.55	27.95	28.25	28.62	28.36	28.08	27.78	27.47

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**3.62**	**5.27**	**4.92**	**5.22**	**5.34**	**5.72**	**5.96**	**6.11**	**6.09**	**6.11**	**6.11**	**6.71**	**7.23**	**7.48**
RPP[1,2]	2.86	4.33	4.22	4.72	4.82	4.91	5.07	5.17	5.12	5.12	5.11	5.66	6.11	6.32
Electric	0.75	0.91	0.69	0.48	0.50	0.77	0.83	0.88	0.89	0.90	0.91	0.94	0.99	1.01
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy[3]	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.13	0.14
Other[3]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**0.26**	**0.31**	**0.28**	**0.24**	**0.23**	**0.42**	**0.49**	**0.54**	**0.57**	**0.60**	**0.62**	**0.67**	**0.73**	**0.77**
Biomass	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.13	0.14
Electricity	0.17	0.23	0.17	0.18	0.21	0.37	0.42	0.47	0.49	0.51	0.52	0.56	0.59	0.62
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.08	0.06	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**0.35**	**0.45**	**0.37**	**0.42**	**0.47**	**0.44**	**0.45**	**0.46**	**0.45**	**0.45**	**0.45**	**0.45**	**0.46**	**0.46**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.25	0.36	0.28	0.29	0.29	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.30	0.30
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.10	0.09	0.09	0.13	0.18	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**0.34**	**0.35**	**0.26**	**0.02**	**0.01**	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.33	0.33	0.24	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG & Petroleum Feedstocks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
119.68	120.83	122.05	123.26	124.55	125.76	127.05	128.26	129.55	130.90	132.18	133.53	134.82	136.17	137.52	138.94	140.29
13.91	13.77	13.66	13.55	13.45	13.38	13.32	13.26	13.22	13.17	13.12	13.08	13.03	12.99	12.94	12.90	12.85
20.85	20.65	20.48	20.32	20.17	20.05	19.96	19.89	19.82	19.75	19.68	19.61	19.54	19.47	19.40	19.33	19.27
119.68	120.83	122.05	123.26	124.55	125.76	127.05	128.26	129.55	130.90	132.18	133.53	134.82	136.17	137.52	138.94	140.29
12.81	12.69	12.59	12.49	12.40	12.32	12.27	12.22	12.18	12.14	12.09	12.05	12.01	11.97	11.92	11.88	11.84
21.06	20.86	20.68	20.52	20.37	20.25	20.16	20.08	20.01	19.94	19.87	19.80	19.73	19.66	19.59	19.53	19.46
56.99	57.53	58.11	58.69	59.30	59.88	60.49	61.07	61.68	62.33	62.94	63.58	64.19	64.84	65.48	66.16	66.80
12.16	12.04	11.94	11.85	11.76	11.69	11.64	11.59	11.55	11.51	11.47	11.43	11.39	11.35	11.31	11.27	11.23
16.49	16.33	16.19	16.07	15.95	15.86	15.79	15.72	15.67	15.61	15.56	15.50	15.45	15.40	15.34	15.29	15.24
33.48	33.16	32.88	32.62	32.39	32.20	32.05	31.93	31.82	31.71	31.59	31.48	31.37	31.26	31.15	31.04	30.94
27.17	26.91	26.69	26.48	26.28	26.13	26.01	25.91	25.82	25.73	25.64	25.55	25.46	25.37	25.28	25.19	25.11

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.37	**7.29**	**7.52**	**7.57**	**7.64**	**7.89**	**8.78**	**8.98**	**8.65**	**8.45**	**8.51**	**8.68**	**8.91**	**8.95**	**9.00**	**9.07**	**9.15**
6.20	6.08	6.27	6.30	6.35	6.57	7.39	7.56	7.21	7.01	7.05	7.20	7.39	7.41	7.45	7.50	7.57
1.02	1.05	1.08	1.09	1.10	1.12	1.17	1.18	1.19	1.19	1.20	1.22	1.24	1.25	1.26	1.27	1.27
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.15	0.16	0.17	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.31
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.78	**0.82**	**0.86**	**0.88**	**0.91**	**0.94**	**1.00**	**1.03**	**1.05**	**1.06**	**1.08**	**1.11**	**1.14**	**1.16**	**1.18**	**1.19**	**1.20**
0.15	0.16	0.17	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.31
0.63	0.66	0.69	0.70	0.71	0.73	0.77	0.79	0.81	0.81	0.82	0.84	0.86	0.87	0.88	0.89	0.90
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.46	**0.46**	**0.47**	**0.47**	**0.47**	**0.48**	**0.49**	**0.49**	**0.49**	**0.49**	**0.49**	**0.50**	**0.51**	**0.52**	**0.52**	**0.53**	**0.53**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.22
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.08**	**0.08**	**0.08**	**0.08**	**0.07**	**0.07**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**2.67**	**4.16**	**4.02**	**4.55**	**4.63**	**4.75**	**4.92**	**5.01**	**4.96**	**4.96**	**4.95**	**5.50**	**5.95**	**6.15**
Aviation Fuel	0.56	0.62	0.59	0.66	0.74	0.75	0.76	0.76	0.77	0.78	0.79	0.80	0.81	0.82
Diesel	1.83	3.25	3.18	3.61	3.60	3.72	3.86	3.93	3.87	3.86	3.83	4.35	4.77	4.95
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Gasoline	0.29	0.29	0.24	0.28	0.29	0.28	0.30	0.31	0.32	0.32	0.33	0.34	0.36	0.38
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	3.62	5.27	4.92	5.22	5.34	5.72	5.96	6.11	6.09	6.11	6.11	6.71	7.23	7.48
Total Electric and Steam Energy Demand for Generation	0.62	0.49	0.75	0.00	0.00	2.01	2.15	2.28	2.34	2.33	2.27	2.31	2.31	2.33
Less Electricity and Steam Secondary Demand	0.75	0.91	0.69	0.48	0.50	0.77	0.83	0.88	0.89	0.90	0.91	0.94	0.99	1.01
Total Primary Demand	**3.49**	**4.84**	**4.98**	**4.74**	**4.83**	**6.96**	**7.28**	**7.52**	**7.54**	**7.55**	**7.47**	**8.08**	**8.55**	**8.79**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	3.48	4.81	4.96	4.72	4.82	6.92	7.22	7.45	7.44	7.37	7.22	7.75	8.14	8.29
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.02	0.02	0.02	0.02	0.02	0.05	0.06	0.07	0.10	0.18	0.25	0.33	0.42	0.50

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**2.76**	**3.59**	**3.24**	**3.05**	**2.96**	**3.11**	**3.13**	**3.11**	**3.04**	**3.01**	**3.00**	**3.16**	**3.22**	**3.22**
Residential (PJ/Personal Income)	0.29	0.33	0.29	0.24	0.23	0.42	0.46	0.48	0.50	0.51	0.52	0.54	0.55	0.56
Commercial (PJ/GO)	0.35	0.43	0.34	0.38	0.41	0.38	0.38	0.37	0.36	0.35	0.35	0.34	0.34	0.33
Industrial (PJ/GO)	0.81	0.67	0.48	0.03	0.02	0.16	0.17	0.16	0.15	0.14	0.14	0.12	0.11	0.11
Transportation (PJ/GDP)	2.04	2.83	2.64	2.66	2.56	2.58	2.58	2.55	2.48	2.45	2.43	2.50	2.65	2.65

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.03	**5.91**	**6.09**	**6.12**	**6.16**	**6.39**	**7.20**	**7.37**	**7.02**	**6.81**	**6.85**	**6.99**	**7.18**	**7.19**	**7.23**	**7.28**	**7.34**
0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.01
4.82	4.67	4.83	4.84	4.86	5.06	5.83	5.97	5.60	5.38	5.39	5.51	5.66	5.65	5.65	5.68	5.72
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.38	0.39	0.41	0.42	0.43	0.44	0.48	0.49	0.50	0.51	0.52	0.54	0.56	0.58	0.59	0.60	0.62
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.37	7.29	7.52	7.57	7.64	7.89	8.78	8.98	8.65	8.45	8.51	8.68	8.91	8.95	9.00	9.07	9.15
2.26	2.28	2.38	2.35	2.39	2.41	2.52	2.58	2.58	2.58	2.58	2.64	2.65	2.67	2.70	2.69	2.70
1.02	1.05	1.08	1.09	1.10	1.12	1.17	1.18	1.19	1.19	1.20	1.22	1.24	1.25	1.26	1.27	1.27
8.61	**8.53**	**8.82**	**8.84**	**8.93**	**9.19**	**10.14**	**10.38**	**10.04**	**9.84**	**9.89**	**10.11**	**10.32**	**10.37**	**10.44**	**10.49**	**10.58**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.04	7.91	8.19	8.16	8.24	8.49	9.39	9.61	9.27	9.07	9.07	9.28	9.44	9.48	9.55	9.56	9.64
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.58	0.62	0.63	0.68	0.69	0.70	0.75	0.76	0.77	0.78	0.82	0.83	0.87	0.88	0.89	0.93	0.94

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3.15	**2.97**	**2.96**	**2.94**	**2.93**	**2.95**	**3.08**	**3.09**	**2.93**	**2.85**	**2.82**	**2.80**	**2.78**	**2.74**	**2.71**	**2.69**	**2.67**
0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.58	0.58	0.57	0.57	0.56	0.56
0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28
0.11	0.12	0.12	0.12	0.12	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.07	0.07
2.58	2.41	2.40	2.38	2.36	2.39	2.52	2.53	2.38	2.30	2.27	2.25	2.24	2.20	2.18	2.16	2.15

Table A2.38: Demand, Fortified Islands, Ontario

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	27.49	26.54	27.39	26.50	26.52	25.14	24.31	25.68	27.27	29.97	31.89	32.21	31.62	31.64
Natural Gas	11.08	11.39	11.95	12.10	12.38	13.08	13.87	15.04	17.36	17.71	17.55	17.38	17.19	17.00
Light Fuel Oil	13.72	14.22	12.68	14.60	14.60	18.20	19.30	19.07	19.46	19.90	19.72	19.53	19.32	19.10
Commercial														
Electricity	24.56	23.70	25.89	24.83	20.92	19.80	19.14	20.23	21.51	23.68	25.22	25.48	25.07	25.04
Natural Gas	8.22	8.74	10.06	10.59	10.81	11.62	12.52	13.74	16.07	16.44	16.29	16.13	15.96	15.78
Light Fuel Oil	13.72	14.22	12.68	14.60	14.85	18.43	19.51	19.28	19.67	20.10	19.92	19.73	19.52	19.30
Industrial														
Electricity	16.80	17.03	19.74	19.83	18.12	17.10	16.54	17.56	18.72	20.69	22.11	22.36	21.96	21.99
Natural Gas	7.33	6.35	9.41	8.54	8.74	9.80	10.73	12.03	14.38	14.76	14.62	14.48	14.32	14.17
Heavy Fuel Oil	9.11	9.44	8.42	9.69	9.84	13.76	15.19	15.13	15.57	16.04	15.80	15.74	15.57	15.40
Transportation														
Gasoline	25.86	26.15	26.11	26.11	26.11	28.91	29.21	28.58	28.88	29.24	28.97	28.70	28.39	28.07
Diesel	21.17	21.85	20.11	20.63	20.63	23.81	24.49	24.05	24.40	24.79	24.57	24.33	24.07	23.80

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**2 999.37**	**2 894.73**	**3 057.10**	**3 088.65**	**3 167.43**	**3 247.89**	**3 245.90**	**3 264.94**	**3 236.07**	**3 223.83**	**3 204.20**	**3 219.98**	**3 241.27**	**3 257.93**
RPP[1,2]	1 267.73	1 252.31	1 323.96	1 341.24	1 400.66	1 449.20	1 437.72	1 432.69	1 414.74	1 413.37	1 410.15	1 422.14	1 436.96	1 451.26
Electric	507.19	503.43	522.79	512.87	512.69	531.56	537.73	545.44	545.67	546.06	543.57	546.88	550.81	553.17
Natural Gas	956.01	886.33	941.44	970.09	969.60	987.37	993.20	998.26	986.70	980.59	971.09	971.23	972.01	970.91
Biofuels & Emerging Energy[3]	107.35	99.25	109.47	105.29	129.14	116.62	115.10	133.06	132.43	131.82	130.85	132.47	135.18	137.31
Other[4]	161.09	153.41	159.44	159.16	155.33	163.15	162.15	155.48	156.53	151.99	148.56	147.26	146.30	145.29
Residential Sector	**524.94**	**512.22**	**527.26**	**565.71**	**545.94**	**562.80**	**570.83**	**585.49**	**581.56**	**584.13**	**583.96**	**586.67**	**590.10**	**591.22**
Biomass	17.58	16.20	17.26	18.77	19.00	19.75	20.23	21.06	21.24	21.67	22.04	22.60	23.19	23.68
Electricity	153.71	159.87	158.84	160.52	162.96	165.57	167.74	172.02	170.97	171.62	171.33	171.96	172.95	173.32
Natural Gas	315.34	302.28	316.53	349.21	335.58	349.36	355.57	365.65	363.59	365.74	366.31	368.67	371.35	372.50
RPP	38.32	33.87	34.63	37.22	28.40	28.12	27.28	26.76	25.76	25.10	24.29	23.44	22.60	21.72
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**517.42**	**494.39**	**518.71**	**534.34**	**523.69**	**539.03**	**543.90**	**547.90**	**540.05**	**538.16**	**534.12**	**534.97**	**535.77**	**535.89**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	176.71	167.18	191.78	193.84	191.75	203.97	208.00	211.68	211.48	212.27	211.81	213.25	214.67	215.50
Natural Gas	299.99	276.01	273.04	275.72	259.33	260.92	261.01	260.27	252.60	249.16	245.19	243.48	241.84	240.32
RPP	40.42	50.89	53.58	64.45	72.29	73.72	74.47	75.55	75.59	76.36	76.76	77.89	78.91	79.73
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.30	0.31	0.31	0.34	0.33	0.42	0.42	0.41	0.39	0.38	0.36	0.35	0.34	0.34
Industrial Sector	**1 117.60**	**1 068.90**	**1 185.03**	**1 134.85**	**1 209.90**	**1 257.19**	**1 254.38**	**1 241.00**	**1 239.22**	**1 233.26**	**1 224.68**	**1 235.88**	**1 247.86**	**1 260.09**
Biomass	89.77	83.05	92.21	86.52	110.14	96.87	94.87	93.38	92.48	91.19	89.82	90.96	93.22	95.05
Coal, Coke & Coke Oven Gas	149.80	141.26	146.23	143.30	137.25	141.80	140.60	133.75	134.75	130.20	126.92	125.45	124.39	123.37
Electricity	175.41	175.07	170.78	157.17	156.63	160.70	160.72	160.48	162.00	160.97	159.26	160.51	162.03	163.19
Natural Gas	348.09	306.58	350.50	343.78	373.32	375.72	375.29	371.03	369.26	364.49	358.41	357.91	357.67	356.95
LPG & Petroleum Feedstocks	164.65	172.08	206.55	176.66	206.65	225.60	228.02	229.84	231.25	234.63	236.84	243.21	249.73	256.52
RPP	97.56	93.21	91.39	97.92	105.60	108.52	107.66	105.81	104.38	104.97	104.89	106.51	108.44	109.95
Still Gas & Petroleum Coke	81.32	85.81	114.48	113.97	102.57	127.05	126.10	125.39	123.71	125.39	127.28	129.87	130.81	133.49
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	10.99	11.85	12.90	15.53	17.76	20.93	21.13	21.32	21.38	21.41	21.26	21.46	21.56	21.58

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
34.90	35.51	35.68	35.54	35.70	36.25	37.00	37.53	38.07	38.96	39.84	40.52	41.40	42.34	43.40	44.27	45.29
16.87	16.66	16.52	16.39	16.27	16.17	16.10	16.04	15.98	15.93	15.87	15.81	15.76	15.70	15.65	15.59	15.54
18.90	18.71	18.56	18.41	18.28	18.17	18.09	18.02	17.96	17.89	17.83	17.77	17.71	17.64	17.58	17.52	17.46
27.65	28.15	28.29	28.18	28.32	28.76	29.36	29.79	30.23	30.94	31.65	32.20	32.91	33.66	34.52	35.22	36.03
15.61	15.46	15.33	15.21	15.10	15.01	14.94	14.88	14.83	14.78	14.73	14.68	14.63	14.57	14.52	14.47	14.42
19.09	18.90	18.75	18.60	18.46	18.36	18.28	18.20	18.14	18.08	18.01	17.95	17.89	17.82	17.76	17.70	17.64
24.39	24.85	24.99	24.91	25.04	25.46	26.07	26.42	26.82	27.48	28.14	28.65	29.30	30.00	30.78	31.43	32.18
14.01	13.88	13.76	13.65	13.55	13.48	13.41	13.36	13.32	13.27	13.22	13.18	13.13	13.08	13.04	12.99	12.95
15.23	15.08	14.96	14.84	14.73	14.64	14.58	14.52	14.47	14.42	14.37	14.32	14.27	14.22	14.17	14.12	14.07
27.76	27.50	27.21	27.05	26.86	26.70	26.58	26.48	26.39	26.29	26.20	26.11	26.02	25.92	25.83	25.74	25.66
23.54	23.32	23.12	22.94	22.77	22.64	22.54	22.45	22.37	22.30	22.22	22.14	22.06	21.98	21.91	21.83	21.75

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3 255.18	**3 268.56**	**3 288.49**	**3 304.53**	**3 314.76**	**3 332.34**	**3 352.20**	**3 355.02**	**3 345.94**	**3 336.46**	**3 333.42**	**3 333.41**	**3 341.61**	**3 341.65**	**3 335.75**	**3 333.94**	**3 335.40**
1 456.27	1 470.72	1 486.80	1 503.11	1 516.27	1 532.60	1 550.14	1 561.85	1 569.29	1 576.49	1 585.78	1 595.19	1 609.59	1 620.81	1 628.77	1 638.41	1 649.77
551.08	550.71	551.64	551.61	550.55	550.32	550.00	547.44	543.28	538.68	534.87	531.36	529.06	525.45	520.87	516.91	513.42
966.87	967.61	971.01	972.38	972.59	974.67	977.83	976.00	970.65	966.12	963.39	962.05	962.86	961.65	959.25	957.98	957.86
138.33	139.79	141.58	142.88	144.02	145.72	147.48	148.20	148.28	148.26	148.67	149.36	150.54	150.98	150.85	150.95	151.43
142.63	139.73	137.45	134.56	131.33	129.04	126.75	121.55	114.44	106.91	100.71	95.45	89.58	82.75	76.00	69.68	62.92
590.43	**592.12**	**595.30**	**596.81**	**597.27**	**597.83**	**598.09**	**597.74**	**596.04**	**593.94**	**591.79**	**589.44**	**588.61**	**586.97**	**584.24**	**581.52**	**578.69**
24.08	24.56	25.09	25.55	25.95	26.35	26.72	27.03	27.25	27.44	27.62	27.77	27.99	28.15	28.25	28.34	28.41
172.74	172.90	173.56	173.83	173.86	173.94	173.94	173.79	173.27	172.64	171.99	171.30	171.08	170.61	169.82	169.05	168.26
372.76	374.53	377.16	378.63	379.37	380.13	380.67	380.77	379.95	378.85	377.71	376.39	376.04	375.15	373.56	371.92	370.22
20.85	20.14	19.49	18.80	18.10	17.41	16.76	16.15	15.57	15.01	14.48	13.97	13.51	13.06	12.62	12.20	11.81
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
534.13	**535.27**	**537.17**	**539.10**	**540.60**	**542.60**	**545.78**	**547.28**	**548.03**	**550.03**	**552.25**	**554.44**	**558.14**	**561.48**	**564.86**	**568.62**	**573.48**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214.74	214.71	215.02	215.28	215.15	215.18	215.22	214.95	214.50	213.96	213.52	212.90	212.84	212.52	211.97	211.60	211.53
238.76	239.07	239.63	240.30	241.04	242.01	244.07	244.87	245.16	246.75	248.38	250.22	252.66	255.07	257.81	260.61	264.02
80.30	81.17	82.19	83.20	84.10	85.10	86.18	87.16	88.07	89.01	90.05	91.03	92.34	93.59	94.79	96.11	97.63
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.33	0.33	0.32	0.32	0.31	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
1 258.61	**1 263.34**	**1 270.76**	**1 277.23**	**1 279.61**	**1 287.25**	**1 295.84**	**1 291.62**	**1 279.61**	**1 266.39**	**1 258.89**	**1 254.69**	**1 253.20**	**1 246.21**	**1 236.11**	**1 229.06**	**1 223.97**
95.88	96.97	98.27	99.23	100.10	101.46	102.92	103.35	103.18	102.91	103.03	103.35	103.97	103.89	103.29	102.98	103.11
120.81	118.00	115.64	112.77	109.56	107.21	104.85	99.73	92.82	85.54	79.48	74.31	68.42	61.67	56.06	48.82	42.11
162.45	161.95	161.90	161.33	160.36	160.02	159.65	157.51	154.32	150.88	148.16	145.96	143.93	141.11	137.87	135.03	132.41
354.23	352.89	353.08	352.31	351.05	351.39	351.93	349.19	344.38	339.35	336.13	334.27	332.98	330.24	326.70	324.26	322.42
259.44	263.43	268.64	273.81	278.09	283.30	288.67	291.65	292.95	293.33	294.78	296.71	299.98	302.03	303.03	304.49	306.21
110.59	112.37	114.15	116.22	117.80	119.76	122.04	123.71	124.98	126.45	128.22	129.96	132.05	133.81	135.36	137.24	139.55
133.73	136.32	137.58	140.07	141.20	142.59	144.18	144.96	145.67	146.86	148.17	149.29	151.02	152.67	154.15	155.67	157.65
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.48	21.41	21.49	21.48	21.46	21.52	21.60	21.52	21.33	21.07	20.92	20.85	20.86	20.78	20.64	20.56	20.51

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**839.41**	**819.22**	**826.10**	**853.74**	**887.90**	**888.87**	**876.80**	**890.55**	**875.24**	**868.27**	**861.44**	**862.46**	**867.54**	**870.72**
Aviation Fuel	62.06	45.80	35.86	49.40	57.93	58.57	59.21	59.87	60.52	61.19	61.86	62.54	63.23	63.93
Diesel	250.74	238.70	242.40	245.91	261.39	266.21	263.82	260.57	256.66	255.06	253.19	254.40	256.53	257.85
Electric	1.36	1.32	1.39	1.35	1.36	1.32	1.28	1.26	1.22	1.19	1.18	1.17	1.17	1.16
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.62	18.72	18.96	19.00	18.92	18.77	18.59
Heavy Fuel Oil	5.54	6.60	6.76	6.84	7.09	7.16	7.23	7.31	7.38	7.45	7.53	7.60	7.68	7.76
LPG	4.82	5.50	3.03	3.49	4.20	3.91	3.58	3.28	2.96	2.69	2.42	2.18	1.94	1.73
Lubricants	3.88	4.74	5.65	6.14	5.80	5.98	6.15	6.39	6.47	6.59	6.70	6.88	7.06	7.23
Motor Gasoline	509.41	515.10	529.64	539.23	548.75	544.34	534.20	531.94	520.06	513.92	508.37	507.61	510.01	511.35
Natural Gas	1.60	1.46	1.37	1.38	1.38	1.36	1.33	1.31	1.25	1.21	1.18	1.16	1.15	1.14

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	2999.37	2894.73	3057.10	3088.65	3167.43	3247.89	3245.90	3264.94	3236.07	3223.83	3204.20	3219.98	3241.27	3257.93
Total Electric and Steam Energy Demand for Generation	1 370.39	1 390.45	1 387.45	1 460.83	1 499.56	1 505.65	1 512.72	1 561.22	1 541.05	1 483.04	1 440.78	1 435.54	1 423.97	1 418.38
Less Electricity and Steam Secondary Demand	518.48	515.59	536.00	528.74	530.78	552.91	559.28	567.17	567.44	567.85	565.19	568.69	572.72	575.09
Total Primary Demand	**3 851.28**	**3 769.59**	**3 908.55**	**4 020.75**	**4 136.21**	**4 200.64**	**4 199.34**	**4 258.99**	**4 209.68**	**4 139.02**	**4 079.79**	**4 086.82**	**4 092.51**	**4 101.22**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1 063.96	1 011.36	1 070.70	1 105.97	1 092.79	1 117.14	1 127.99	1 145.26	1 144.40	1 146.38	1 155.37	1 163.20	1 156.07	1 168.95
RPP	1 273.19	1 261.06	1 329.92	1 362.83	1 418.32	1 461.34	1 450.74	1 446.71	1 421.91	1 420.88	1 421.21	1 432.96	1 448.14	1 461.42
Coal, Coke and Coke Oven Gas	576.35	532.00	529.82	593.50	471.39	385.35	383.43	395.59	405.20	334.15	254.23	236.03	218.24	200.48
Hydro	136.41	133.64	138.25	129.76	142.14	135.84	135.93	135.93	136.26	142.46	144.83	144.83	144.83	144.83
Nuclear	694.02	732.29	730.39	723.40	882.33	970.57	969.48	979.94	941.98	933.31	940.77	942.28	952.47	948.14
Biofuels & Emerging Energy	107.35	99.25	109.47	105.29	129.23	130.40	131.76	155.55	159.93	161.83	163.39	167.53	172.76	177.41

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**7.05**	**6.72**	**6.84**	**6.71**	**6.65**	**6.59**	**6.42**	**6.29**	**6.13**	**6.00**	**5.88**	**5.77**	**5.67**	**5.59**
Residential (PJ/Personal Income)	1.61	1.56	1.59	1.70	1.61	1.61	1.60	1.57	1.55	1.53	1.50	1.47	1.44	1.41
Commercial (PJ/GO)	1.13	1.06	1.09	1.08	1.02	1.01	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.85
Industrial (PJ/GO)	2.80	2.76	2.93	2.84	2.89	2.90	2.80	2.67	2.56	2.50	2.44	2.39	2.33	2.29
Transportation (PJ/GDP)	1.97	1.90	1.85	1.85	1.87	1.80	1.73	1.71	1.66	1.62	1.58	1.55	1.52	1.49

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
872.01	**877.83**	**885.25**	**891.30**	**897.27**	**904.67**	**912.49**	**918.38**	**922.27**	**926.10**	**930.48**	**934.84**	**941.66**	**946.99**	**950.53**	**954.74**	**959.26**
64.63	65.34	66.06	66.79	67.52	68.26	69.02	69.77	70.54	71.32	72.10	72.90	73.70	74.51	75.33	76.16	76.99
258.35	260.47	262.58	264.72	266.50	268.90	271.75	273.57	274.73	276.05	277.68	279.33	281.41	282.92	283.95	285.39	287.18
1.16	1.16	1.16	1.17	1.17	1.18	1.19	1.19	1.20	1.20	1.20	1.20	1.21	1.21	1.22	1.22	1.22
18.36	18.26	18.22	18.10	17.97	17.91	17.85	17.82	17.85	17.90	18.02	18.23	18.58	18.94	19.31	19.63	19.91
7.83	7.91	7.99	8.07	8.15	8.23	8.32	8.40	8.48	8.57	8.65	8.74	8.83	8.91	9.00	9.09	9.19
1.54	1.38	1.24	1.10	0.98	0.87	0.77	0.68	0.60	0.53	0.47	0.42	0.37	0.32	0.29	0.25	0.22
7.36	7.52	7.70	7.86	8.02	8.18	8.35	8.49	8.61	8.72	8.84	8.96	9.12	9.25	9.37	9.50	9.63
511.66	514.66	519.17	522.45	525.82	530.00	534.11	537.29	539.09	540.64	542.34	543.88	547.27	549.73	550.87	552.31	553.72
1.13	1.12	1.13	1.13	1.14	1.14	1.15	1.16	1.16	1.17	1.17	1.17	1.18	1.19	1.19	1.20	1.20

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3255.18	3268.56	3288.49	3304.53	3314.75	3332.34	3352.20	3355.02	3345.94	3336.46	3333.41	3333.40	3341.61	3341.65	3335.75	3333.94	3335.40
1 386.45	1 363.45	1 374.14	1 382.69	1 389.01	1 387.91	1 378.66	1 372.20	1 360.14	1 360.70	1 348.09	1 342.47	1 336.44	1 326.41	1 324.08	1 308.63	1 307.80
572.90	572.44	573.45	573.40	572.32	572.15	571.90	569.26	564.90	560.05	556.09	552.50	550.20	546.53	541.81	537.77	534.23
4 068.72	**4 059.57**	**4 089.18**	**4 113.82**	**4 141.44**	**4 148.11**	**4 158.96**	**4 157.97**	**4 141.18**	**4 137.11**	**4 125.41**	**4 123.37**	**4 127.85**	**4 121.53**	**4 118.02**	**4 104.80**	**4 108.97**
1 177.49	1 186.15	1 188.60	1 186.37	1 174.12	1 181.44	1 186.94	1 183.94	1 176.83	1 162.91	1 148.61	1 142.95	1 141.93	1 137.59	1 125.25	1 120.83	1 114.46
1 469.80	1 486.71	1 501.89	1 517.00	1 527.00	1 544.07	1 562.36	1 573.66	1 580.64	1 586.87	1 594.16	1 603.05	1 617.27	1 628.26	1 636.10	1 645.75	1 657.11
181.19	144.91	115.64	112.77	109.56	107.21	104.85	99.73	92.82	94.91	88.81	80.87	74.98	68.23	61.62	55.38	48.67
144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83	144.83
914.46	912.04	949.23	960.54	990.72	972.13	958.52	962.39	941.30	941.58	941.33	942.06	936.77	928.84	935.31	921.74	925.90
180.95	184.93	188.99	192.31	195.21	198.42	201.45	203.42	204.77	206.01	207.68	209.63	212.07	213.78	214.91	216.27	218.01

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5.50	**5.42**	**5.35**	**5.28**	**5.21**	**5.15**	**5.09**	**5.03**	**4.96**	**4.89**	**4.82**	**4.76**	**4.70**	**4.64**	**4.58**	**4.52**	**4.45**
1.38	1.36	1.33	1.30	1.28	1.25	1.23	1.20	1.18	1.16	1.14	1.12	1.09	1.07	1.05	1.03	1.01
0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	0.74	0.73	0.73	0.72	0.72	0.71	0.71
2.24	2.20	2.16	2.13	2.10	2.07	2.04	2.01	1.99	1.96	1.93	1.91	1.89	1.87	1.85	1.82	1.80
1.47	1.46	1.44	1.43	1.41	1.40	1.39	1.38	1.37	1.36	1.35	1.34	1.33	1.32	1.31	1.29	1.28

Table A2.39: Demand, Fortified Islands, Prince Edward Island

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	34.11	34.39	34.16	37.53	36.51	33.86	43.09	41.30	41.75	40.96	41.16	41.71	44.51	45.44
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.77	15.12	15.49	15.35	15.20	15.04	14.87
Light Fuel Oil	16.97	17.86	16.17	18.61	18.54	21.87	22.69	22.33	22.69	23.10	22.89	22.67	22.42	22.18
Commercial														
Electricity	27.79	27.77	25.04	26.13	26.22	24.07	29.07	27.85	28.07	27.58	27.66	27.94	29.52	30.00
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.48	12.85	13.24	13.12	12.99	12.85	12.71
Light Fuel Oil	16.97	17.86	16.17	18.61	18.83	22.13	22.94	22.56	22.92	23.33	23.12	22.90	22.65	22.40
Industrial														
Electricity	18.65	21.73	26.27	28.94	28.10	25.73	35.90	34.38	34.92	34.18	34.47	35.14	38.13	39.19
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	9.21	11.59	11.99	11.88	11.77	11.64	11.51
Heavy Fuel Oil	11.83	12.46	11.28	12.98	13.05	16.75	17.96	17.79	18.19	18.64	18.47	18.29	18.09	17.89
Transportation														
Gasoline	29.84	29.80	29.89	29.89	29.89	32.43	32.47	31.70	31.97	32.30	32.01	31.70	31.36	31.01
Diesel	26.08	26.03	24.88	24.27	24.27	27.20	27.63	27.06	27.38	27.75	27.50	27.23	26.94	26.64

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**25.65**	**24.65**	**25.24**	**26.06**	**26.29**	**26.71**	**26.55**	**26.66**	**26.69**	**26.69**	**26.67**	**26.82**	**26.91**	**27.00**
RPP[1,2]	21.77	20.70	21.15	22.00	21.98	22.41	22.17	22.24	22.20	22.15	22.10	22.18	22.23	22.29
Electric	3.44	3.52	3.63	3.57	3.82	3.79	3.85	3.88	3.94	3.98	4.00	4.06	4.09	4.11
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy[3]	0.43	0.42	0.45	0.49	0.49	0.52	0.52	0.54	0.55	0.56	0.57	0.59	0.60	0.61
Other[4]	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**5.25**	**5.06**	**4.63**	**4.62**	**4.57**	**4.78**	**4.80**	**4.87**	**4.89**	**4.92**	**4.95**	**4.98**	**5.01**	**5.02**
Biomass	0.43	0.42	0.45	0.49	0.49	0.52	0.52	0.54	0.55	0.56	0.57	0.59	0.60	0.61
Electricity	1.00	1.02	0.51	0.56	0.57	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	3.82	3.62	3.67	3.57	3.51	3.70	3.71	3.76	3.77	3.78	3.80	3.81	3.82	3.82
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**4.29**	**4.25**	**4.50**	**4.91**	**5.11**	**4.95**	**4.93**	**4.92**	**4.99**	**5.03**	**5.05**	**5.12**	**5.15**	**5.19**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	1.50	1.46	1.47	1.50	1.67	1.64	1.66	1.68	1.73	1.76	1.79	1.83	1.85	1.88
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	2.78	2.78	3.01	3.40	3.44	3.31	3.27	3.24	3.26	3.27	3.26	3.29	3.30	3.32
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**4.20**	**3.79**	**4.42**	**4.48**	**4.04**	**4.22**	**4.20**	**4.18**	**4.15**	**4.11**	**4.06**	**4.04**	**4.04**	**4.02**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.93	1.04	1.65	1.51	1.58	1.59	1.63	1.64	1.64	1.64	1.64	1.64	1.65	1.64
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG & Petroleum Feedstocks	0.17	0.00	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
RPP	3.10	2.75	2.76	2.96	2.44	2.61	2.55	2.53	2.49	2.44	2.40	2.38	2.37	2.35
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
45.57	45.79	46.06	46.30	46.56	46.68	47.10	47.59	48.21	48.94	49.78	50.69	51.73	52.80	54.01	55.37	56.71
14.71	14.57	14.44	14.33	14.23	14.14	14.08	14.02	13.98	13.93	13.88	13.83	13.78	13.73	13.68	13.64	13.59
21.93	21.72	21.54	21.37	21.22	21.09	21.00	20.92	20.84	20.77	20.70	20.62	20.55	20.48	20.41	20.34	20.27
30.02	30.10	30.21	30.30	30.41	30.43	30.64	30.88	31.21	31.60	32.05	32.55	33.12	33.71	34.38	35.14	35.90
12.57	12.45	12.35	12.25	12.16	12.09	12.03	11.99	11.95	11.90	11.86	11.82	11.78	11.74	11.70	11.66	11.62
22.15	21.94	21.76	21.59	21.43	21.30	21.21	21.13	21.05	20.98	20.90	20.83	20.76	20.68	20.61	20.54	20.47
39.43	39.74	40.10	40.42	40.76	40.94	41.43	41.97	42.65	43.45	44.35	45.34	46.45	47.60	48.89	50.33	51.75
11.39	11.28	11.18	11.09	11.01	10.95	10.90	10.86	10.82	10.78	10.74	10.71	10.67	10.63	10.59	10.56	10.52
17.70	17.53	17.38	17.25	17.12	17.02	16.94	16.88	16.82	16.76	16.70	16.64	16.58	16.53	16.47	16.41	16.35
30.67	30.38	30.13	29.89	29.67	29.50	29.37	29.25	29.15	29.05	28.94	28.84	28.74	28.64	28.54	28.44	28.34
26.35	26.09	25.88	25.67	25.40	25.34	25.23	25.13	25.04	24.95	24.86	24.78	24.69	24.60	24.52	24.43	24.35

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
27.12	**27.36**	**27.62**	**27.89**	**28.09**	**28.31**	**28.54**	**28.80**	**29.03**	**29.28**	**29.52**	**29.74**	**30.03**	**30.31**	**30.54**	**30.77**	**31.01**
22.36	22.56	22.77	22.98	23.15	23.33	23.53	23.75	23.95	24.17	24.39	24.59	24.85	25.10	25.32	25.54	25.76
4.13	4.17	4.21	4.25	4.27	4.30	4.33	4.36	4.38	4.40	4.42	4.43	4.46	4.47	4.49	4.50	4.51
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.04	**5.08**	**5.12**	**5.16**	**5.18**	**5.20**	**5.22**	**5.26**	**5.28**	**5.29**	**5.31**	**5.31**	**5.33**	**5.34**	**5.35**	**5.35**	**5.35**
0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75
0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.75
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.82	3.84	3.86	3.88	3.88	3.88	3.88	3.89	3.90	3.90	3.89	3.89	3.88	3.88	3.87	3.86	3.85
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.25	**5.32**	**5.41**	**5.51**	**5.59**	**5.66**	**5.73**	**5.81**	**5.88**	**5.97**	**6.05**	**6.13**	**6.21**	**6.30**	**6.38**	**6.46**	**6.56**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.90	1.93	1.97	2.01	2.03	2.06	2.08	2.11	2.13	2.15	2.18	2.20	2.22	2.23	2.25	2.27	2.28
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.34	3.39	3.44	3.51	3.55	3.60	3.64	3.70	3.76	3.81	3.87	3.93	4.00	4.06	4.13	4.20	4.27
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	**3.99**	**3.98**	**3.97**	**3.95**	**3.95**	**3.95**	**3.95**	**3.94**	**3.93**	**3.93**	**3.93**	**3.95**	**3.96**	**3.95**	**3.96**	**3.97**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.63	1.63	1.62	1.61	1.60	1.59	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.51	1.50	1.48	1.47
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
2.34	2.34	2.34	2.33	2.32	2.33	2.34	2.34	2.34	2.35	2.36	2.37	2.39	2.41	2.42	2.44	2.46
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**11.91**	**11.54**	**11.70**	**12.05**	**12.58**	**12.76**	**12.62**	**12.70**	**12.67**	**12.63**	**12.62**	**12.68**	**12.72**	**12.77**
Aviation Fuel	0.15	0.14	0.14	0.17	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20
Diesel	4.24	3.94	3.71	3.94	4.25	4.24	4.18	4.21	4.22	4.22	4.21	4.22	4.24	4.25
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lubricants	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Motor Gasoline	7.47	7.41	7.83	7.92	8.12	8.31	8.24	8.28	8.24	8.21	8.20	8.24	8.26	8.30
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	25.65	24.65	25.24	26.06	26.29	26.71	26.55	26.66	26.69	26.69	26.67	26.82	26.91	27.00
Total Electric and Steam Energy Demand for Generation	0.76	0.69	0.40	0.57	0.37	1.27	1.01	1.24	2.18	2.41	2.43	2.66	2.83	2.65
Less Electricity and Steam Secondary Demand	3.45	3.53	3.64	3.57	3.82	3.79	3.85	3.88	3.94	3.98	4.00	4.06	4.09	4.11
Total Primary Demand	**22.96**	**21.81**	**22.00**	**23.06**	**22.83**	**24.19**	**23.71**	**24.03**	**24.92**	**25.12**	**25.10**	**25.43**	**25.65**	**25.55**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	22.53	21.39	21.55	22.57	22.22	23.68	23.18	23.25	23.90	23.86	23.59	23.67	23.64	23.29
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.43	0.42	0.45	0.49	0.61	0.52	0.52	0.78	1.02	1.27	1.51	1.76	2.01	2.25

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**8.36**	**7.99**	**7.92**	**7.79**	**7.65**	**7.66**	**7.47**	**7.35**	**7.15**	**7.00**	**6.88**	**6.75**	**6.63**	**6.52**
Residential (PJ/Personal Income)	1.80	1.74	1.56	1.58	1.53	1.53	1.51	1.48	1.46	1.43	1.41	1.38	1.35	1.33
Commercial (PJ/GO)	1.24	1.21	1.25	1.31	1.29	1.25	1.21	1.18	1.16	1.14	1.11	1.10	1.08	1.06
Industrial (PJ/GO)	1.68	1.58	1.70	1.65	1.50	1.45	1.43	1.40	1.37	1.35	1.33	1.31	1.29	1.27
Transportation (PJ/GDP)	3.88	3.74	3.62	3.60	3.66	3.66	3.55	3.50	3.39	3.32	3.26	3.19	3.13	3.08

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
12.83	**12.97**	**13.11**	**13.25**	**13.37**	**13.50**	**13.64**	**13.79**	**13.93**	**14.09**	**14.24**	**14.37**	**14.54**	**14.71**	**14.86**	**15.00**	**15.14**
0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23
4.26	4.30	4.33	4.36	4.38	4.41	4.45	4.48	4.51	4.56	4.60	4.65	4.71	4.76	4.81	4.86	4.92
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
8.35	8.44	8.55	8.66	8.75	8.85	8.95	9.07	9.18	9.29	9.38	9.47	9.58	9.70	9.79	9.88	9.96
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
27.11	27.36	27.62	27.89	28.09	28.30	28.54	28.80	29.03	29.28	29.52	29.75	30.03	30.31	30.54	30.77	31.01
2.89	3.12	3.34	3.52	3.69	3.83	3.95	4.07	4.18	4.30	4.42	4.54	4.65	4.77	4.89	5.01	5.12
4.13	4.17	4.21	4.25	4.27	4.30	4.33	4.36	4.38	4.40	4.42	4.43	4.46	4.47	4.49	4.50	4.51
25.87	**26.32**	**26.75**	**27.16**	**27.50**	**27.84**	**28.16**	**28.51**	**28.84**	**29.18**	**29.52**	**29.85**	**30.23**	**30.60**	**30.94**	**31.28**	**31.62**

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.37	23.57	23.78	23.99	24.16	24.34	24.54	24.76	24.96	25.18	25.40	25.60	25.86	26.11	26.33	26.54	26.76
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.50	2.75	2.97	3.17	3.34	3.49	3.62	3.75	3.88	4.00	4.12	4.25	4.37	4.50	4.62	4.74	4.86

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.41	**6.32**	**6.24**	**6.15**	**6.08**	**6.01**	**5.94**	**5.88**	**5.82**	**5.77**	**5.71**	**5.65**	**5.60**	**5.55**	**5.50**	**5.45**	**5.39**
1.30	1.27	1.24	1.22	1.19	1.17	1.14	1.12	1.09	1.07	1.05	1.02	1.00	0.98	0.96	0.94	0.92
1.05	1.04	1.02	1.01	1.00	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93
1.25	1.23	1.21	1.20	1.18	1.17	1.15	1.14	1.12	1.11	1.10	1.09	1.07	1.06	1.05	1.04	1.02
3.04	3.00	2.96	2.92	2.89	2.87	2.84	2.82	2.79	2.78	2.75	2.73	2.71	2.70	2.68	2.66	2.63

Table A2.40: Demand, Fortified Islands, Quebec

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	18.74	18.37	17.71	17.06	16.24	14.60	17.41	18.51	18.90	19.17	19.54	19.22	19.17	19.47
Natural Gas	9.71	9.81	9.49	9.37	9.64	10.53	11.51	12.77	15.12	15.49	15.35	15.20	15.04	14.87
Light Fuel Oil	14.95	14.45	13.37	15.56	15.57	19.10	20.13	19.87	20.25	20.69	20.50	20.30	20.08	19.86
Commercial														
Electricity	20.07	19.53	18.89	18.09	17.26	15.69	19.35	20.77	21.22	21.55	22.01	21.60	21.54	21.93
Natural Gas	7.20	7.18	6.53	6.67	6.87	7.95	9.12	10.48	12.85	13.24	13.12	12.99	12.85	12.71
Light Fuel Oil	14.95	14.45	13.37	15.55	15.82	19.33	20.35	20.08	20.46	20.89	20.70	20.50	20.28	20.05
Industrial														
Electricity	10.83	11.01	10.53	10.78	9.76	8.77	10.27	10.87	11.09	11.24	11.46	11.27	11.25	11.42
Natural Gas	4.61	4.69	5.23	5.21	5.33	6.52	7.80	9.21	11.59	11.99	11.88	11.77	11.64	11.51
Heavy Fuel Oil	10.42	10.07	9.32	10.84	11.03	14.87	16.22	16.11	16.54	17.00	16.84	16.68	16.50	16.32
Transportation														
Gasoline	29.74	30.31	30.29	30.29	30.29	32.80	32.81	32.03	32.30	32.63	32.33	32.02	31.68	31.33
Diesel	26.43	26.45	24.94	25.23	25.23	28.09	28.45	27.85	28.16	28.52	28.26	27.99	27.69	27.38

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**1 816.25**	**1 776.34**	**1 886.57**	**1 973.63**	**1 969.36**	**2 000.32**	**2 010.10**	**2 011.42**	**1 993.04**	**1 980.78**	**1 959.68**	**1 968.07**	**1 981.89**	**1 992.24**
RPP[1,2]	752.43	762.26	800.17	856.59	861.11	871.91	875.24	876.90	865.02	862.00	855.95	857.52	863.09	867.57
Electric	630.44	635.48	661.26	695.88	690.09	708.23	718.30	723.75	725.14	722.68	715.81	724.65	733.32	740.30
Natural Gas	239.67	200.21	224.37	217.35	220.74	221.29	217.96	212.60	205.36	199.99	193.58	189.25	184.90	180.52
Biofuels & Emerging Energy[3]	161.43	148.07	167.41	170.61	167.64	167.85	167.78	168.13	167.35	166.59	165.52	167.81	171.68	174.90
Other[4]	32.29	30.33	33.36	33.21	29.78	31.04	30.81	30.03	30.16	29.52	28.82	28.83	28.89	28.96
Residential Sector	**327.49**	**309.54**	**323.32**	**348.27**	**354.04**	**354.09**	**362.03**	**369.52**	**368.20**	**370.24**	**370.35**	**372.95**	**375.87**	**377.10**
Biomass	60.27	56.95	59.97	64.06	66.25	66.18	68.01	70.01	70.37	71.35	71.99	73.15	74.38	75.30
Electricity	186.45	183.31	191.71	206.57	209.39	211.14	216.99	222.24	222.08	223.79	224.23	226.28	228.52	229.59
Natural Gas	28.25	23.65	26.12	28.15	27.56	27.33	27.73	28.03	27.57	27.41	27.13	26.97	26.81	26.57
RPP[2]	52.52	46.63	45.52	49.50	50.84	49.45	49.30	49.24	48.19	47.68	47.00	46.56	46.16	45.63
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**226.69**	**227.25**	**246.67**	**270.78**	**260.10**	**272.53**	**274.37**	**274.60**	**270.32**	**269.14**	**266.26**	**266.28**	**266.20**	**265.68**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	118.16	117.87	122.63	125.08	128.37	134.11	135.93	137.03	136.40	136.75	136.28	137.32	138.37	138.91
Natural Gas	75.07	69.95	76.84	79.92	77.91	81.44	81.24	80.16	77.02	75.33	73.19	71.86	70.53	69.36
RPP[2]	33.47	39.43	47.21	65.78	53.81	56.97	57.20	57.40	56.90	57.06	56.79	57.10	57.30	57.41
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**794.50**	**775.49**	**817.68**	**839.95**	**829.63**	**842.40**	**839.69**	**830.58**	**825.25**	**814.84**	**800.48**	**805.40**	**813.29**	**821.15**
Biomass	101.16	92.12	107.44	106.56	101.39	101.67	99.78	98.12	96.98	95.23	93.53	94.66	97.30	99.60
Coal, Coke & Coke Oven Gas	27.59	25.70	26.99	27.18	24.89	26.15	26.06	25.43	25.70	25.16	24.61	24.74	24.96	25.19
Electricity	324.75	333.22	345.91	363.19	351.28	361.97	364.38	363.50	365.72	361.20	354.39	360.15	365.53	370.90
Natural Gas	136.32	106.57	121.37	109.23	115.22	112.48	108.95	104.37	100.75	97.24	93.25	90.41	87.54	84.57
LPG & Petroleum Feedstocks	22.58	27.46	30.24	31.42	35.01	35.10	35.94	36.51	36.68	37.39	38.03	38.97	39.96	41.26
RPP[2]	95.63	95.72	87.27	103.64	102.34	106.77	105.20	102.94	100.40	99.08	97.02	95.68	95.45	94.80
Still Gas & Petroleum Coke	81.84	90.06	92.10	92.71	94.60	93.38	94.63	95.10	94.56	95.17	95.44	96.69	98.61	101.07
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	4.69	4.63	6.37	6.02	4.89	4.89	4.75	4.60	4.46	4.36	4.21	4.09	3.93	3.76

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
19.60	19.84	20.12	20.42	20.75	21.15	21.40	21.71	22.26	22.88	23.57	24.27	25.04	25.82	26.71	27.72	28.78
14.71	14.57	14.44	14.33	14.23	14.14	14.08	14.02	13.98	13.93	13.88	13.83	13.78	13.73	13.68	13.64	13.59
19.64	19.45	19.29	19.14	19.00	18.89	18.81	18.73	18.67	18.60	18.53	18.47	18.41	18.34	18.28	18.21	18.15
22.09	22.40	22.77	23.15	23.58	24.09	24.41	24.81	25.51	26.31	27.19	28.09	29.07	30.06	31.20	32.48	33.84
12.57	12.45	12.35	12.25	12.16	12.09	12.03	11.99	11.95	11.90	11.86	11.82	11.78	11.74	11.70	11.66	11.62
19.84	19.64	19.48	19.33	19.19	19.08	18.99	18.92	18.85	18.78	18.72	18.65	18.59	18.52	18.46	18.39	18.33
11.49	11.63	11.79	11.96	12.15	12.38	12.52	12.70	13.02	13.37	13.76	14.17	14.60	15.05	15.56	16.13	16.74
11.39	11.28	11.18	11.09	11.01	10.95	10.90	10.86	10.82	10.78	10.74	10.71	10.67	10.63	10.59	10.56	10.52
16.14	15.99	15.85	15.73	15.61	15.52	15.45	15.39	15.34	15.29	15.23	15.18	15.12	15.07	15.02	14.97	14.91
30.98	30.68	30.43	30.19	29.97	29.80	29.66	29.55	29.44	29.34	29.24	29.13	29.03	28.93	28.83	28.73	28.63
27.08	26.82	26.60	26.39	26.20	26.05	25.93	25.83	25.74	25.65	25.56	25.47	25.38	25.29	25.20	25.11	25.03

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 990.91	**1 998.57**	**2 007.86**	**2 016.95**	**2 020.74**	**2 033.28**	**2 047.27**	**2 050.29**	**2 045.61**	**2 039.15**	**2 036.50**	**2 038.05**	**2 046.37**	**2 046.75**	**2 039.79**	**2 036.00**	**2 036.88**
867.63	874.42	881.14	889.52	894.45	902.90	911.71	918.04	921.85	925.09	929.02	933.72	941.17	946.82	950.40	954.92	961.37
742.05	744.00	746.58	747.79	747.75	751.12	754.99	752.65	746.59	739.42	734.25	731.43	731.41	726.70	717.85	710.34	704.44
175.86	172.76	170.36	168.01	165.36	163.58	162.30	160.61	158.68	156.99	155.78	155.12	155.02	154.77	154.42	154.55	155.23
176.64	178.91	181.52	183.67	185.54	188.10	190.71	192.07	192.50	192.65	193.17	193.96	195.34	195.73	195.28	195.08	195.39
28.73	28.47	28.26	27.96	27.64	27.58	27.56	26.93	25.99	24.99	24.28	23.82	23.43	22.73	21.84	21.10	20.45
376.70	**378.31**	**380.53**	**382.10**	**382.57**	**383.57**	**384.44**	**385.18**	**384.83**	**383.79**	**382.47**	**381.18**	**380.89**	**379.89**	**377.97**	**375.94**	**373.90**
75.88	76.85	77.95	78.94	79.71	80.63	81.50	82.30	82.86	83.28	83.65	84.04	84.71	85.22	85.51	85.80	86.12
229.58	230.67	232.05	232.94	233.05	233.38	233.57	233.66	233.01	231.86	230.45	228.97	227.93	226.40	224.28	222.00	219.62
26.25	26.12	26.05	25.95	25.81	25.73	25.66	25.61	25.51	25.40	25.29	25.22	25.24	25.25	25.20	25.18	25.19
44.99	44.67	44.48	44.27	44.00	43.84	43.71	43.62	43.45	43.25	43.07	42.95	43.01	43.03	42.97	42.95	42.97
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
264.28	**264.00**	**264.03**	**264.53**	**264.39**	**264.90**	**265.61**	**266.03**	**266.16**	**266.25**	**266.35**	**266.52**	**267.26**	**267.69**	**267.82**	**268.24**	**269.11**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138.89	139.19	139.52	139.96	139.94	140.09	140.23	140.18	139.87	139.35	138.69	137.92	137.27	136.37	135.21	134.05	132.94
68.08	67.32	66.76	66.44	66.07	65.99	66.08	66.11	66.14	66.34	66.64	67.08	67.77	68.47	69.18	70.05	71.18
57.32	57.49	57.75	58.13	58.38	58.82	59.30	59.74	60.15	60.56	61.02	61.52	62.21	62.85	63.44	64.14	64.99
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
821.24	**823.83**	**826.88**	**829.39**	**829.88**	**835.71**	**843.16**	**840.97**	**833.96**	**826.49**	**823.00**	**823.15**	**827.11**	**825.21**	**818.46**	**814.30**	**813.61**
100.76	102.07	103.57	104.72	105.83	107.47	109.21	109.77	109.64	109.37	109.53	109.91	110.63	110.52	109.76	109.28	109.28
25.14	25.03	24.94	24.77	24.58	24.64	24.72	24.20	23.36	22.47	21.83	21.45	21.12	20.48	19.65	18.98	18.37
372.69	373.24	374.11	373.99	373.86	376.73	380.27	377.89	372.78	367.29	364.18	363.61	365.27	362.99	357.43	353.35	350.94
81.52	79.32	77.54	75.61	73.48	71.86	70.55	68.88	67.02	65.24	63.85	62.83	62.00	61.05	60.04	59.31	58.86
41.84	42.91	43.84	44.99	45.83	46.77	47.76	48.47	49.06	49.69	50.37	51.03	51.91	52.70	53.37	54.04	54.82
93.70	93.97	93.62	93.71	93.00	92.95	93.16	92.75	91.93	91.19	90.75	90.55	90.58	90.31	89.81	89.71	90.32
102.00	103.85	105.95	108.40	110.24	112.35	114.65	116.28	117.53	118.71	120.05	121.40	123.29	124.91	126.21	127.49	128.94
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.59	3.44	3.32	3.19	3.06	2.94	2.84	2.74	2.63	2.53	2.44	2.37	2.31	2.25	2.18	2.13	2.08

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**467.49**	**464.07**	**498.90**	**514.63**	**525.59**	**531.30**	**534.01**	**536.71**	**529.28**	**526.56**	**522.60**	**523.43**	**526.53**	**528.31**
Aviation Fuel	26.71	29.05	53.27	48.27	47.16	47.72	48.30	48.88	49.46	50.06	50.66	51.27	51.88	52.50
Diesel	144.55	132.90	134.39	146.47	154.93	161.50	163.59	164.89	162.89	162.44	161.31	161.43	162.61	163.12
Electric	1.08	1.07	1.02	1.04	1.05	1.01	0.99	0.98	0.95	0.93	0.91	0.91	0.90	0.90
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	13.09	15.84	16.28	16.32	16.86	17.03	17.20	17.37	17.54	17.72	17.90	18.08	18.26	18.44
LPG	0.57	0.87	0.54	0.46	0.61	0.59	0.57	0.55	0.52	0.50	0.47	0.46	0.44	0.43
Lubricants	1.98	1.81	1.72	2.00	2.02	2.06	2.13	2.19	2.22	2.26	2.28	2.33	2.39	2.44
Motor Gasoline	279.48	282.48	291.64	300.02	302.93	301.34	301.20	301.82	295.66	292.64	289.04	288.95	290.03	290.47
Natural Gas	0.03	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.01

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	1816.25	1776.34	1886.56	1973.63	1969.36	2000.32	2010.10	2011.42	1993.04	1980.78	1959.68	1968.07	1981.89	1992.24
Total Electric and Steam Energy Demand for Generation	695.50	661.47	684.37	689.43	685.34	758.02	781.79	796.48	810.88	826.90	801.18	850.28	882.55	889.46
Less Electricity and Steam Secondary Demand	635.13	640.10	667.63	701.91	694.97	713.12	723.05	728.35	729.60	727.04	720.02	728.75	737.25	744.07
Total Primary Demand	**1 876.62**	**1 797.71**	**1 903.31**	**1 961.16**	**1 959.72**	**2 045.22**	**2 068.83**	**2 079.55**	**2 074.32**	**2 080.64**	**2 040.84**	**2 089.60**	**2 127.19**	**2 137.63**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	247.51	206.36	232.20	223.19	225.25	227.11	243.37	238.00	230.77	225.39	218.99	214.65	210.31	205.92
RPP	757.67	768.98	807.20	882.30	882.36	929.74	933.07	934.73	922.85	915.99	906.04	907.61	913.18	917.66
Coal, Coke and Coke Oven Gas	27.59	25.70	26.99	27.18	24.89	26.15	26.06	25.43	25.70	25.16	24.61	24.74	24.96	25.19
Hydro	625.12	593.34	616.35	616.14	602.34	628.98	633.16	643.46	652.30	681.05	696.98	697.21	709.49	710.84
Nuclear	56.68	54.58	52.54	41.12	56.57	57.75	57.75	57.75	57.75	43.31	0.00	43.31	57.75	57.75
Biofuels & Emerging Energy	162.06	148.75	168.03	171.22	168.31	175.49	175.43	180.18	184.95	189.74	194.23	202.08	211.50	220.27

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**8.35**	**8.01**	**8.17**	**8.49**	**8.20**	**8.09**	**7.91**	**7.75**	**7.58**	**7.41**	**7.27**	**7.15**	**7.04**	**6.95**
Residential (PJ/Personal Income)	1.81	1.68	1.75	1.86	1.85	1.81	1.80	1.78	1.76	1.74	1.71	1.69	1.66	1.64
Commercial (PJ/GO)	1.00	0.98	1.02	1.11	1.02	1.04	1.02	1.00	0.97	0.95	0.93	0.91	0.89	0.88
Industrial (PJ/GO)	4.52	4.36	4.45	4.65	4.46	4.33	4.17	4.02	3.89	3.78	3.68	3.61	3.54	3.49
Transportation (PJ/GDP)	2.15	2.09	2.16	2.21	2.19	2.15	2.10	2.07	2.01	1.97	1.94	1.90	1.87	1.84

[1] Refined Petroleum Products (RPP)
[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas
[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel
[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
528.68	**532.44**	**536.41**	**540.93**	**543.92**	**549.09**	**554.05**	**558.11**	**560.66**	**562.62**	**564.69**	**567.20**	**571.11**	**573.96**	**575.54**	**577.53**	**580.26**
53.13	53.77	54.42	55.07	55.73	56.40	57.08	57.76	58.45	59.16	59.87	60.58	61.31	62.05	62.79	63.54	64.31
163.07	164.68	165.63	167.08	167.59	169.01	170.64	171.54	171.83	172.00	172.34	172.92	173.74	174.18	174.27	174.69	175.76
0.89	0.90	0.90	0.90	0.91	0.91	0.92	0.92	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.94
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.62	18.81	19.00	19.19	19.38	19.57	19.77	19.97	20.17	20.37	20.57	20.78	20.98	21.19	21.41	21.62	21.84
0.42	0.41	0.40	0.39	0.38	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35
2.47	2.52	2.57	2.62	2.66	2.72	2.77	2.81	2.85	2.88	2.92	2.95	3.00	3.04	3.07	3.11	3.14
290.06	291.35	293.49	295.67	297.26	300.09	302.51	304.73	306.07	306.92	307.70	308.67	310.78	312.20	312.71	313.27	313.92
0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1990.90	1998.57	2007.85	2016.95	2020.74	2033.28	2047.26	2050.29	2045.61	2039.15	2036.50	2038.05	2046.37	2046.75	2039.79	2036.00	2036.88
895.21	901.89	911.80	916.83	922.46	927.85	932.76	937.67	942.58	947.49	952.40	957.31	962.22	967.13	970.93	975.70	980.75
745.64	747.44	749.90	750.98	750.81	754.07	757.83	755.39	749.21	741.95	736.70	733.80	733.72	728.95	720.04	712.47	706.52
2 140.48	**2 153.01**	**2 169.76**	**2 182.81**	**2 192.39**	**2 207.07**	**2 222.20**	**2 232.58**	**2 238.98**	**2 244.68**	**2 252.21**	**2 261.36**	**2 274.87**	**2 284.93**	**2 290.68**	**2 299.23**	**2 311.10**
201.27	198.17	195.76	193.41	190.77	188.98	187.70	186.01	184.09	182.39	181.19	180.52	180.42	180.17	179.83	179.96	180.63
917.72	925.24	932.45	939.61	944.54	952.99	961.80	968.12	971.94	975.18	979.10	983.81	991.36	996.91	999.38	1 003.76	1 010.35
25.14	25.03	24.94	24.77	24.58	24.64	24.72	24.20	23.36	22.47	21.83	21.45	21.12	20.48	19.65	18.98	18.37
711.04	711.43	715.43	716.39	716.84	717.20	717.20	717.20	717.20	717.20	717.20	717.20	717.20	717.20	717.20	717.20	717.20
57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75	57.75
227.57	235.40	243.43	250.87	257.91	265.51	273.03	279.30	284.64	289.70	295.13	300.83	307.12	312.42	316.87	321.58	326.81

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
6.87	**6.79**	**6.71**	**6.63**	**6.56**	**6.48**	**6.43**	**6.36**	**6.28**	**6.21**	**6.14**	**6.08**	**6.02**	**5.96**	**5.89**	**5.82**	**5.76**
1.61	1.59	1.56	1.54	1.51	1.48	1.46	1.43	1.41	1.39	1.36	1.34	1.31	1.29	1.27	1.25	1.22
0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.75	0.75	0.74	0.73	0.73	0.72
3.43	3.37	3.32	3.28	3.24	3.20	3.17	3.13	3.09	3.06	3.03	3.01	2.99	2.97	2.94	2.92	2.89
1.82	1.81	1.79	1.78	1.77	1.75	1.74	1.73	1.72	1.71	1.70	1.69	1.68	1.67	1.66	1.65	1.64

Table A2.41: Demand, Fortified Islands, Saskatchewan

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	26.23	26.45	26.35	26.74	25.29	26.71	25.96	26.40	33.36	34.82	36.18	35.96	37.64	37.67
Natural Gas	6.90	6.95	6.70	6.70	6.88	7.96	9.13	10.49	12.86	13.25	13.13	13.01	12.86	12.72
Light Fuel Oil	11.38	11.93	11.26	12.15	12.15	15.91	17.18	17.04	17.45	17.91	17.74	17.57	17.38	17.19
Commercial														
Electricity	19.26	17.34	19.96	19.54	18.02	18.94	18.44	18.79	24.02	25.13	26.17	26.02	27.30	27.35
Natural Gas	5.30	5.36	4.90	4.71	4.86	6.08	7.30	8.82	11.21	11.61	11.51	11.40	11.27	11.15
Light Fuel Oil	11.38	11.93	11.26	12.15	12.35	16.10	17.35	17.21	17.62	18.07	17.90	17.73	17.54	17.35
Industrial														
Electricity	14.32	14.59	15.37	14.43	13.65	13.98	13.70	14.09	18.73	19.73	20.70	20.62	21.81	21.89
Natural Gas	4.24	4.76	4.90	4.59	4.71	5.94	7.26	8.70	11.08	11.49	11.38	11.28	11.15	11.03
Heavy Fuel Oil	7.56	7.92	7.47	8.07	8.17	12.21	13.75	13.75	14.20	14.68	14.55	14.41	14.25	14.09
Transportation														
Gasoline	24.66	24.96	25.29	25.29	25.29	28.15	28.51	27.90	28.21	28.57	28.31	28.04	27.74	27.43
Diesel	19.43	20.15	18.58	19.25	19.25	22.52	23.30	22.91	23.26	23.67	23.45	23.23	22.98	22.72

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**436.60**	**413.16**	**431.71**	**441.30**	**442.21**	**454.88**	**460.38**	**460.61**	**446.66**	**440.79**	**433.34**	**428.94**	**425.44**	**422.46**
RPP[1,2]	146.89	142.11	147.65	165.90	162.53	163.84	165.73	166.32	162.84	162.09	160.59	160.33	160.17	160.10
Electric	58.15	57.58	58.04	60.30	59.77	62.21	63.69	64.11	62.83	62.10	61.03	60.58	60.17	59.77
Natural Gas	215.56	195.07	207.07	194.89	198.49	206.54	208.67	204.95	195.75	191.63	187.04	183.10	179.64	176.67
Biofuels & Emerging Energy[3]	10.33	12.78	13.51	14.16	14.90	15.53	15.45	18.56	18.53	18.39	18.22	18.47	18.90	19.28
Other[4]	5.67	5.61	5.44	6.05	6.53	6.77	6.85	6.67	6.71	6.59	6.46	6.48	6.56	6.64
Residential Sector	**49.03**	**48.30**	**49.75**	**45.93**	**44.75**	**49.63**	**51.18**	**52.06**	**50.68**	**50.36**	**49.84**	**49.50**	**49.21**	**48.80**
Biomass	1.11	1.03	1.14	1.12	1.11	1.26	1.32	1.37	1.37	1.39	1.41	1.44	1.46	1.48
Electricity	9.80	9.94	10.21	10.44	10.31	10.70	10.98	11.15	10.83	10.74	10.60	10.52	10.45	10.36
Natural Gas	36.64	36.09	37.26	32.75	31.22	35.31	36.52	37.18	36.22	36.01	35.65	35.41	35.21	34.92
RPP[1]	0.90	0.76	0.80	0.75	1.12	1.22	1.22	1.21	1.16	1.14	1.11	1.08	1.05	1.01
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.57	0.47	0.33	0.86	0.99	1.13	1.14	1.14	1.10	1.09	1.07	1.05	1.04	1.02
Commercial Sector	**100.26**	**83.44**	**97.81**	**87.50**	**81.99**	**87.11**	**88.51**	**88.98**	**85.29**	**83.84**	**82.05**	**80.83**	**79.75**	**78.98**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	20.18	18.95	19.39	19.05	18.90	19.97	20.39	20.67	20.04	19.85	19.49	19.30	19.10	18.93
Natural Gas	75.28	58.81	70.48	58.83	55.53	58.84	59.74	59.89	56.97	55.71	54.37	53.33	52.45	51.87
RPP[1]	4.80	5.68	7.95	9.62	7.56	8.29	8.38	8.41	8.28	8.28	8.19	8.19	8.20	8.19
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**165.62**	**166.84**	**167.20**	**184.39**	**189.50**	**193.21**	**194.90**	**190.89**	**185.37**	**182.43**	**178.97**	**176.86**	**175.25**	**173.96**
Biomass	9.22	11.75	12.37	13.04	13.79	14.26	14.13	14.01	14.03	13.85	13.68	13.94	14.39	14.79
Coal, Coke & Coke Oven Gas	5.10	5.14	5.11	5.20	5.53	5.64	5.71	5.53	5.61	5.50	5.39	5.42	5.52	5.62
Electricity	28.17	28.69	28.45	30.81	30.55	31.52	32.31	32.28	31.95	31.51	30.93	30.74	30.61	30.48
Natural Gas	103.60	100.13	99.29	103.27	111.71	112.36	112.37	107.84	102.53	99.88	97.00	94.33	91.95	89.85
LPG & Petroleum Feedstocks	5.73	7.21	7.20	17.23	14.53	15.11	15.99	16.78	17.04	17.26	17.39	17.58	17.74	18.00
RPP[1]	7.42	7.34	8.14	8.15	6.78	7.26	7.32	7.40	7.21	7.37	7.49	7.64	7.74	7.82
Still Gas & Petroleum Coke	6.38	6.58	6.65	6.70	6.61	7.05	7.08	7.05	7.01	7.06	7.11	7.20	7.29	7.40
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
37.37	37.85	38.87	39.34	39.84	41.38	42.00	38.44	39.23	39.99	40.76	41.33	42.45	43.41	44.55	45.77	47.23
12.58	12.46	12.36	12.26	12.17	12.10	12.05	12.00	11.96	11.92	11.87	11.83	11.79	11.75	11.71	11.67	11.63
17.00	16.84	16.70	16.57	16.45	16.35	16.28	16.21	16.16	16.10	16.04	15.99	15.93	15.88	15.82	15.77	15.71
27.14	27.52	28.29	28.66	29.05	30.21	30.69	28.03	28.63	29.21	29.79	30.23	31.09	31.81	32.68	33.60	34.70
11.03	10.92	10.83	10.74	10.67	10.60	10.56	10.51	10.48	10.44	10.40	10.37	10.33	10.29	10.26	10.22	10.19
17.16	16.99	16.85	16.72	16.60	16.50	16.43	16.36	16.31	16.25	16.19	16.13	16.08	16.02	15.97	15.91	15.85
21.76	22.14	22.85	23.21	23.58	24.61	25.00	22.68	23.21	23.72	24.24	24.62	25.35	25.98	26.72	27.50	28.42
10.91	10.80	10.72	10.63	10.55	10.49	10.44	10.40	10.37	10.33	10.29	10.26	10.22	10.19	10.15	10.12	10.08
13.94	13.81	13.69	13.58	13.48	13.41	13.35	13.29	13.25	13.20	13.15	13.11	13.06	13.02	12.97	12.92	12.88
27.13	26.87	26.65	26.44	26.25	26.10	25.98	25.88	25.79	25.70	25.60	25.51	25.43	25.34	25.25	25.16	25.07
22.41	22.26	22.07	21.90	21.74	21.61	21.52	21.43	21.36	21.28	21.21	21.13	21.06	20.98	20.91	20.84	20.77

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
417.61	**418.08**	**415.15**	**412.86**	**414.62**	**417.99**	**419.93**	**418.61**	**414.98**	**413.12**	**411.28**	**409.90**	**408.65**	**407.14**	**405.93**	**404.47**	**403.60**
158.99	159.45	159.29	159.36	160.20	161.54	162.73	163.39	163.52	163.98	164.46	165.14	166.02	166.83	167.50	168.19	169.03
59.10	58.78	58.34	57.86	57.50	57.24	57.10	56.53	55.62	54.95	54.30	53.79	53.23	52.59	51.96	51.30	50.66
173.42	173.59	171.03	168.72	170.21	172.26	172.90	171.60	169.09	167.81	166.36	164.99	163.46	162.04	161.15	159.98	159.18
19.46	19.66	19.87	20.01	20.13	20.34	20.55	20.54	20.42	20.28	20.22	20.23	20.34	20.31	20.18	20.09	20.09
6.63	6.61	6.62	6.80	6.58	6.61	6.66	6.56	6.33	6.09	5.91	5.76	5.59	5.38	5.14	4.90	4.65
48.25	**48.11**	**48.03**	**47.85**	**47.72**	**47.59**	**47.50**	**47.35**	**47.07**	**46.83**	**46.54**	**46.26**	**46.05**	**45.82**	**45.54**	**45.22**	**44.87**
1.50	1.52	1.55	1.57	1.59	1.62	1.64	1.65	1.66	1.67	1.68	1.69	1.69	1.70	1.70	1.70	1.70
10.25	10.23	10.22	10.19	10.18	10.17	10.17	10.17	10.15	10.13	10.11	10.08	10.08	10.07	10.05	10.01	9.97
34.52	34.42	34.36	34.22	34.11	34.00	33.92	33.78	33.55	33.34	33.10	32.87	32.68	32.48	32.25	31.99	31.71
0.97	0.95	0.92	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.72	0.70	0.69	0.67	0.66
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.83
77.94	**78.19**	**77.68**	**77.29**	**77.09**	**76.58**	**77.21**	**76.03**	**74.08**	**73.86**	**73.13**	**72.80**	**72.06**	**71.43**	**71.42**	**70.95**	**70.68**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.68	18.68	18.53	18.41	18.30	18.13	18.16	17.91	17.52	17.42	17.24	17.11	16.92	16.74	16.65	16.49	16.36
51.11	51.36	50.97	50.69	50.58	50.19	50.74	49.77	48.19	48.03	47.45	47.19	46.58	46.07	46.08	45.71	45.49
8.14	8.15	8.17	8.19	8.22	8.25	8.31	8.34	8.37	8.41	8.45	8.50	8.56	8.62	8.68	8.74	8.82
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171.55	**171.60**	**169.19**	**166.96**	**168.97**	**172.34**	**172.95**	**172.64**	**171.31**	**169.75**	**168.73**	**167.71**	**166.99**	**166.00**	**164.83**	**163.95**	**163.42**
14.99	15.16	15.34	15.45	15.56	15.75	15.97	15.98	15.89	15.78	15.74	15.76	15.83	15.77	15.59	15.44	15.37
5.63	5.62	5.64	5.63	5.62	5.66	5.71	5.62	5.41	5.18	5.01	4.87	4.72	4.51	4.28	4.06	3.82
30.16	29.85	29.58	29.25	29.01	28.93	28.76	28.44	27.94	27.39	26.95	26.58	26.22	25.77	25.26	24.79	24.32
87.76	87.79	85.68	83.79	85.50	88.04	88.21	88.03	87.33	86.42	85.79	84.91	84.18	83.47	82.80	82.26	81.95
18.12	18.26	18.29	18.36	18.41	18.40	18.39	18.29	18.20	18.10	17.99	17.88	17.78	17.68	17.55	17.42	17.31
7.87	8.12	8.16	8.27	8.34	8.39	8.49	8.57	8.54	8.58	8.60	8.61	8.64	8.66	8.68	8.72	8.78
7.01	6.80	6.51	6.19	6.55	7.17	7.43	7.71	7.99	8.30	8.65	9.10	9.62	10.14	10.68	11.27	11.87
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**121.69**	**119.58**	**116.95**	**123.48**	**125.98**	**124.96**	**125.78**	**128.68**	**125.31**	**124.17**	**122.47**	**121.75**	**121.24**	**120.72**
Aviation Fuel	2.33	2.60	2.57	2.23	2.03	2.06	2.07	2.08	2.10	2.12	2.13	2.15	2.17	2.19
Diesel	59.47	57.16	54.25	58.61	61.69	61.63	62.50	62.84	61.37	60.89	60.06	59.73	59.44	59.21
Electric	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.18	3.14	3.14	3.13	3.09	3.04	3.01
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.41	0.49	0.28	0.20	0.24	0.23	0.21	0.20	0.18	0.16	0.15	0.13	0.12	0.11
Lubricants	0.94	0.88	0.85	0.81	0.79	0.81	0.84	0.86	0.86	0.87	0.87	0.89	0.90	0.91
Motor Gasoline	58.51	58.41	58.96	61.59	61.18	60.18	60.11	59.47	57.62	56.94	56.09	55.73	55.53	55.26
Natural Gas	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Section 3: Primary Demand (petajoules)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	436.60	413.16	431.71	441.30	442.21	454.88	460.38	460.60	446.66	440.79	433.34	428.94	425.44	422.46
Total Electric and Steam Energy Demand for Generation	174.61	183.90	183.37	205.21	206.67	206.34	205.98	206.20	186.40	184.74	168.41	164.52	162.37	159.68
Less Electricity and Steam Secondary Demand	58.15	57.58	58.04	60.30	59.77	62.21	63.69	64.11	62.83	62.10	61.03	60.58	60.17	59.77
Total Primary Demand	**553.06**	**539.48**	**557.04**	**586.21**	**589.11**	**599.02**	**602.67**	**602.70**	**570.23**	**563.44**	**540.71**	**532.89**	**527.64**	**522.37**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	241.25	224.28	237.25	245.50	245.54	248.66	250.78	247.06	234.87	230.75	222.84	218.77	215.21	212.23
RPP	147.14	142.33	147.87	166.23	162.81	164.25	166.13	166.72	163.23	162.48	160.96	160.70	160.54	160.46
Coal, Coke and Coke Oven Gas	143.38	151.48	148.21	147.82	155.72	157.32	157.05	156.62	139.39	137.15	123.55	119.34	116.50	113.43
Hydro	10.96	8.60	10.20	12.29	9.88	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.89	11.89
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	10.33	12.78	13.51	14.37	15.16	17.31	17.23	20.81	21.26	21.58	21.88	22.60	23.50	24.35

Section 4: Ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**13.99**	**13.44**	**14.30**	**14.21**	**13.80**	**13.83**	**13.57**	**13.26**	**12.85**	**12.55**	**12.32**	**12.06**	**11.81**	**11.60**
Residential (PJ/Personal Income)	2.30	2.29	2.38	2.14	2.01	2.19	2.16	2.11	2.08	2.04	2.00	1.95	1.91	1.87
Commercial (PJ/GO)	3.20	2.61	3.05	2.67	2.46	2.54	2.50	2.46	2.37	2.31	2.26	2.20	2.14	2.10
Industrial (PJ/GO)	6.35	6.80	7.07	7.98	7.70	7.49	7.34	7.06	6.81	6.62	6.46	6.28	6.12	5.98
Transportation (PJ/GDP)	3.90	3.73	3.88	3.98	3.93	3.80	3.71	3.70	3.60	3.54	3.48	3.42	3.37	3.32

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquefied petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
119.88	**120.18**	**120.26**	**120.46**	**120.83**	**121.48**	**122.26**	**122.60**	**122.52**	**122.69**	**122.85**	**123.13**	**123.55**	**123.90**	**124.14**	**124.35**	**124.63**
2.20	2.22	2.24	2.26	2.27	2.29	2.31	2.33	2.35	2.37	2.39	2.40	2.42	2.44	2.46	2.48	2.50
58.78	59.06	58.98	59.06	59.23	59.58	60.04	60.22	60.15	60.25	60.40	60.64	60.91	61.16	61.35	61.58	61.89
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2.97	2.97	2.99	2.99	2.98	2.97	2.94	2.91	2.86	2.83	2.79	2.78	2.81	2.84	2.89	2.94	3.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.09	0.08	0.07	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01
0.92	0.93	0.94	0.96	0.97	0.99	1.00	1.01	1.02	1.03	1.04	1.05	1.07	1.08	1.09	1.10	1.11
54.88	54.88	55.00	55.10	55.27	55.57	55.87	56.05	56.06	56.14	56.17	56.19	56.29	56.33	56.30	56.20	56.07
0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
417.61	418.08	415.15	412.55	414.62	417.99	419.93	418.61	414.98	413.12	411.25	409.90	408.65	407.14	405.93	404.47	403.60
155.63	153.18	150.67	147.94	137.85	136.34	128.16	126.89	125.00	118.75	116.93	115.41	113.68	111.65	108.79	106.45	104.27
59.10	58.76	58.34	57.86	57.50	57.24	57.10	56.53	55.62	54.95	54.30	53.79	53.23	52.59	51.96	51.30	50.66
514.14	**512.49**	**507.48**	**502.63**	**494.97**	**497.09**	**490.99**	**488.97**	**484.36**	**476.91**	**473.88**	**471.52**	**469.10**	**466.20**	**462.76**	**459.62**	**457.21**
208.97	209.28	206.60	204.19	205.88	207.84	210.62	209.20	206.51	204.94	204.19	202.71	201.06	199.51	199.38	198.17	197.36
159.35	159.82	159.66	159.72	160.55	161.89	163.05	163.71	163.84	164.27	164.75	165.43	166.31	167.11	167.78	168.48	169.31
108.92	105.82	103.07	100.15	89.67	88.13	77.73	76.33	74.25	67.94	65.07	63.37	61.45	59.18	55.18	52.49	49.91
11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.00	25.67	26.26	26.67	26.97	27.34	27.70	27.84	27.87	27.88	27.96	28.12	28.39	28.50	28.52	28.59	28.73

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11.41	**11.27**	**11.07**	**10.88**	**10.81**	**10.75**	**10.63**	**10.51**	**10.36**	**10.23**	**10.10**	**9.98**	**9.85**	**9.73**	**9.61**	**9.50**	**9.38**
1.83	1.79	1.76	1.72	1.68	1.65	1.62	1.59	1.56	1.53	1.50	1.47	1.45	1.42	1.39	1.37	1.34
2.06	2.04	2.00	1.97	1.94	1.90	1.89	1.85	1.79	1.76	1.73	1.70	1.67	1.64	1.62	1.60	1.57
5.83	5.73	5.59	5.44	5.45	5.48	5.41	5.35	5.29	5.22	5.16	5.09	5.02	4.96	4.90	4.85	4.79
3.27	3.24	3.21	3.18	3.15	3.12	3.09	3.08	3.06	3.04	3.02	3.00	2.98	2.96	2.94	2.92	2.90

Table A2.42: Demand, Fortified Islands, Yukon

Section 1: End Use Energy Prices (C$2005/GJ)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential														
Electricity	43.51	32.89	40.44	32.54	30.08	33.02	33.35	41.31	52.84	55.64	56.20	56.77	57.33	57.89
Natural Gas	8.77	8.80	8.30	8.60	8.84	9.78	10.82	12.11	14.46	14.84	14.70	14.56	14.40	14.24
Light Fuel Oil	13.90	15.14	13.80	15.45	15.40	18.94	19.99	19.73	20.12	20.55	20.36	20.17	19.95	19.73
Commercial														
Electricity	48.51	38.97	39.83	35.61	33.02	33.02	33.35	41.31	52.84	55.64	56.20	56.77	57.33	57.89
Natural Gas	7.10	7.30	6.87	7.18	7.38	8.43	9.57	10.91	13.27	13.66	13.53	13.40	13.26	13.11
Light Fuel Oil	13.90	15.14	13.80	15.45	15.64	19.16	20.19	19.93	20.31	20.74	20.55	20.35	20.13	19.91
Industrial														
Electricity	13.98	11.54	19.08	19.56	17.91	17.91	18.09	22.40	28.65	30.17	30.48	30.78	31.08	31.39
Natural Gas	4.88	6.32	5.85	6.33	6.45	7.56	8.76	10.13	12.51	12.90	12.78	12.66	12.52	12.38
Heavy Fuel Oil	9.22	10.04	9.16	10.26	10.31	14.20	15.60	15.52	15.95	16.42	16.27	16.11	15.94	15.76
Transportation														
Gasoline	29.64	29.87	29.97	29.97	29.97	32.50	32.54	31.77	32.04	32.37	32.08	31.77	31.43	31.08
Diesel	23.44	24.99	23.89	24.24	24.24	27.17	27.60	27.04	27.35	27.72	27.47	27.21	26.91	26.61

Section 2: Secondary Demand (petajoules)

(includes end use demand and feedstocks)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total End Use	**7.10**	**6.83**	**6.94**	**7.14**	**6.77**	**6.84**	**6.99**	**7.13**	**7.10**	**7.09**	**7.03**	**7.36**	**7.63**	**7.75**
RPP[1,2]	4.80	4.95	5.10	5.56	5.42	5.44	5.60	5.72	5.69	5.70	5.67	6.00	6.27	6.40
Electric	0.99	0.99	0.99	1.02	1.07	1.09	1.10	1.12	1.11	1.10	1.08	1.09	1.09	1.09
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.19	0.18	0.17	0.17	0.15	0.14	0.11	0.09
Biofuels & Emerging Energy[3]	0.06	0.07	0.07	0.09	0.11	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.16
Other[3]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residential Sector	**0.93**	**0.86**	**0.93**	**1.11**	**1.30**	**1.08**	**1.15**	**1.19**	**1.20**	**1.20**	**1.20**	**1.24**	**1.29**	**1.32**
Biomass	0.06	0.07	0.06	0.09	0.11	0.09	0.10	0.11	0.11	0.12	0.13	0.13	0.15	0.16
Electricity	0.43	0.42	0.43	0.43	0.42	0.37	0.39	0.39	0.39	0.38	0.38	0.38	0.39	0.38
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.44	0.37	0.44	0.58	0.78	0.62	0.66	0.69	0.69	0.70	0.69	0.72	0.76	0.78
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Sector	**1.34**	**1.31**	**1.26**	**1.38**	**1.16**	**1.34**	**1.37**	**1.38**	**1.38**	**1.39**	**1.38**	**1.40**	**1.43**	**1.45**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.53	0.54	0.51	0.53	0.58	0.63	0.65	0.66	0.66	0.66	0.65	0.65	0.66	0.67
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPP	0.81	0.77	0.74	0.85	0.58	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.76	0.77
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Sector	**1.38**	**1.10**	**1.12**	**0.92**	**0.52**	**0.61**	**0.55**	**0.54**	**0.53**	**0.51**	**0.49**	**0.47**	**0.43**	**0.40**
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coal, Coke & Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.03	0.03	0.06	0.06	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.05	0.04	0.04
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.18	0.18	0.17	0.16	0.15	0.14	0.11	0.09
LPG & Petroleum Feedstocks	0.06	0.03	0.05	0.06	0.06	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05
RPP	0.05	0.22	0.24	0.34	0.22	0.22	0.23	0.23	0.22	0.22	0.22	0.22	0.23	0.23
Still Gas & Petroleum Coke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar and Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
58.48	59.04	59.64	60.23	60.86	61.46	62.08	62.68	63.30	63.96	64.59	65.25	65.88	66.54	67.20	67.89	68.56
14.09	13.95	13.84	13.73	13.63	13.55	13.49	13.44	13.39	13.34	13.29	13.25	13.20	13.16	13.11	13.06	13.02
19.51	19.33	19.17	19.01	18.88	18.77	18.68	18.61	18.54	18.48	18.41	18.35	18.29	18.22	18.16	18.09	18.03
58.48	59.04	59.64	60.23	60.86	61.46	62.08	62.68	63.30	63.96	64.59	65.25	65.88	66.54	67.20	67.89	68.56
12.97	12.84	12.74	12.64	12.55	12.47	12.42	12.37	12.33	12.28	12.24	12.20	12.15	12.11	12.07	12.03	11.98
19.69	19.50	19.34	19.19	19.05	18.94	18.85	18.78	18.72	18.65	18.58	18.52	18.45	18.39	18.32	18.26	18.20
31.71	32.02	32.34	32.66	33.00	33.32	33.66	33.99	34.33	34.68	35.02	35.38	35.72	36.08	36.44	36.81	37.17
12.25	12.13	12.03	11.93	11.85	11.78	11.73	11.68	11.64	11.60	11.56	11.52	11.48	11.44	11.40	11.36	11.32
15.59	15.44	15.31	15.19	15.08	14.99	14.92	14.86	14.81	14.76	14.71	14.66	14.61	14.55	14.50	14.45	14.40
30.74	30.44	30.19	29.95	29.73	29.56	29.43	29.31	29.21	29.11	29.01	28.90	28.80	28.70	28.60	28.50	28.40
26.32	26.07	25.85	25.65	25.46	25.32	25.20	25.10	25.02	24.93	24.84	24.75	24.67	24.58	24.49	24.41	24.32

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.65	**7.59**	**7.73**	**7.77**	**7.82**	**7.99**	**8.50**	**8.67**	**8.61**	**8.55**	**8.65**	**8.79**	**8.97**	**9.08**	**9.17**	**9.27**	**9.38**
6.34	6.25	6.39	6.44	6.50	6.67	7.15	7.32	7.23	7.18	7.26	7.40	7.55	7.64	7.73	7.82	7.92
1.07	1.07	1.07	1.07	1.06	1.05	1.07	1.08	1.06	1.06	1.06	1.07	1.08	1.08	1.09	1.09	1.10
0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.17	0.18	0.20	0.20	0.21	0.21	0.23	0.24	0.26	0.26	0.27	0.28	0.29	0.30	0.30	0.31	0.31
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
1.32	**1.36**	**1.40**	**1.42**	**1.43**	**1.45**	**1.52**	**1.54**	**1.56**	**1.57**	**1.58**	**1.61**	**1.65**	**1.67**	**1.68**	**1.69**	**1.70**
0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27
0.38	0.38	0.38	0.38	0.37	0.37	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.79	0.81	0.84	0.85	0.86	0.88	0.93	0.95	0.96	0.96	0.98	0.99	1.02	1.03	1.04	1.05	1.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.45	**1.49**	**1.52**	**1.53**	**1.54**	**1.55**	**1.60**	**1.62**	**1.65**	**1.67**	**1.69**	**1.73**	**1.77**	**1.80**	**1.82**	**1.85**	**1.87**
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.66	0.66	0.67	0.67	0.67	0.67	0.69	0.69	0.68	0.68	0.68	0.69	0.70	0.70	0.71	0.71	0.72
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.78	0.80	0.82	0.83	0.84	0.85	0.88	0.90	0.91	0.92	0.94	0.96	0.99	1.01	1.03	1.05	1.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
0.37	**0.34**	**0.33**	**0.31**	**0.30**	**0.29**	**0.29**	**0.29**	**0.28**	**0.27**	**0.27**	**0.27**	**0.27**	**0.27**	**0.27**	**0.27**	**0.27**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.08	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Transportation	**3.45**	**3.56**	**3.63**	**3.73**	**3.79**	**3.81**	**3.93**	**4.02**	**3.99**	**3.98**	**3.96**	**4.26**	**4.48**	**4.58**
Aviation Fuel	0.43	0.28	0.27	0.37	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48
Diesel	1.46	1.68	1.78	1.75	2.05	2.11	2.18	2.23	2.21	2.21	2.19	2.44	2.60	2.67
Electric	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heavy Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LPG	0.01	0.02	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Lubricants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Gasoline	1.56	1.58	1.54	1.56	1.31	1.25	1.29	1.31	1.30	1.29	1.28	1.31	1.36	1.37
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 3: Primary Demand (petajoules)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Secondary Demand	7.10	6.83	6.94	7.14	6.77	6.84	6.99	7.13	7.10	7.09	7.03	7.36	7.63	7.75
Total Electric and Steam Energy Demand for Generation	1.18	1.15	1.22	1.17	1.21	1.63	1.68	1.71	1.67	1.64	1.60	1.61	1.62	1.60
Less Electricity and Steam Secondary Demand	0.99	0.99	1.00	1.03	1.07	1.09	1.10	1.12	1.11	1.10	1.08	1.09	1.09	1.09
Total Primary Demand	**7.29**	**6.99**	**7.16**	**7.28**	**6.92**	**7.39**	**7.56**	**7.72**	**7.66**	**7.63**	**7.55**	**7.88**	**8.16**	**8.26**
Primary Energy Demand by Fuel (petajoules)														
Natural Gas	1.24	0.82	0.77	0.46	0.18	0.23	0.19	0.18	0.17	0.17	0.15	0.14	0.11	0.09
RPP	5.04	5.15	5.33	5.70	5.53	6.17	6.37	6.52	6.45	6.42	6.33	6.67	6.96	7.07
Coal, Coke and Coke Oven Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro	0.94	0.95	0.99	1.03	1.10	0.90	0.91	0.91	0.89	0.87	0.86	0.86	0.86	0.86
Nuclear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biofuels & Emerging Energy	0.06	0.07	0.07	0.10	0.11	0.09	0.10	0.11	0.15	0.18	0.21	0.22	0.23	0.24

Section 4: Ratios	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Demand Intensity (PJ/$2000 Billions)														
Total (PJ/GDP)	**3.07**	**3.32**	**3.26**	**2.98**	**2.68**	**2.66**	**2.62**	**2.59**	**2.54**	**2.49**	**2.46**	**2.47**	**2.43**	**2.38**
Residential (PJ/Personal Income)	0.74	0.64	0.67	0.80	0.91	0.78	0.77	0.76	0.75	0.73	0.72	0.71	0.70	0.70
Commercial (PJ/GO)	0.78	0.72	0.66	0.71	0.58	0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.59	0.58
Industrial (PJ/GO)	3.26	2.10	2.08	1.70	0.90	0.99	0.84	0.79	0.78	0.74	0.70	0.55	0.46	0.41
Transportation (PJ/GDP)	1.88	1.73	1.71	1.56	1.50	1.48	1.47	1.46	1.42	1.40	1.39	1.43	1.42	1.41

[1] Refined Petroleum Products (RPP)

[2] Includes asphalt, aviation fuel, diesel, gasoline, heavy fuel oil, kerosene, light fuel oil, liquified petroleum gases (LPG), lubricants, naphtha specialties, oil, non energy products, petroleum feedstocks, petroleum coke, still gas

[3] Includes biomass (wood), solar, geothermal, hydrogen, ethanol and biodiesel

[4] Includes coal, coke, coke oven gas and steam

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4.51	**4.39**	**4.48**	**4.51**	**4.55**	**4.69**	**5.08**	**5.21**	**5.11**	**5.04**	**5.10**	**5.18**	**5.29**	**5.35**	**5.40**	**5.46**	**5.53**
0.49	0.50	0.51	0.52	0.53	0.54	0.56	0.57	0.58	0.59	0.61	0.62	0.63	0.65	0.66	0.68	0.69
2.61	2.45	2.49	2.51	2.53	2.63	2.93	3.02	2.88	2.80	[illegible]	2.87	2.91	2.93	2.95	2.98	3.02
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.36	1.39	1.42	1.43	1.44	1.46	1.54	1.57	1.59	1.59	1.61	1.64	1.68	1.71	1.73	1.75	1.77
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
7.65	7.59	7.73	7.77	7.82	7.99	8.50	8.67	8.61	8.55	8.65	8.79	8.97	9.08	9.17	9.27	9.38
1.56	1.58	1.60	1.57	1.55	1.54	1.60	1.59	1.57	1.56	1.56	1.58	1.61	1.61	1.62	1.63	1.64
1.07	1.08	1.08	1.07	1.06	1.06	1.08	1.08	1.08	1.07	1.08	1.08	1.10	1.10	1.11	1.11	1.12
8.15	**8.09**	**8.24**	**8.27**	**8.31**	**8.47**	**9.01**	**9.18**	**9.10**	**9.04**	**9.13**	**9.29**	**9.49**	**9.59**	**9.68**	**9.79**	**9.90**
0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6.97	6.90	7.05	7.09	7.14	7.30	7.82	7.98	7.88	7.81	7.90	8.05	8.23	8.32	8.41	8.51	8.61
0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
0.85	0.85	0.85	0.85	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.25	0.26	0.27	0.28	0.29	0.29	0.31	0.32	0.34	0.34	0.35	0.36	0.37	0.38	0.38	0.39	0.39

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2.33	**2.21**	**2.18**	**2.16**	**2.14**	**2.14**	**2.13**	**2.13**	**2.09**	**2.06**	**2.05**	**2.02**	**2.00**	**1.99**	**1.97**	**1.97**	**1.96**
0.69	0.68	0.68	0.67	0.66	0.65	0.64	0.63	0.63	0.62	0.61	0.61	0.60	0.59	0.58	0.57	0.57
0.57	0.57	0.56	0.56	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.52
0.39	0.43	0.41	0.38	0.36	0.33	0.28	0.26	0.28	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.26
1.38	1.28	1.26	1.25	1.25	1.25	1.27	1.28	1.24	1.21	1.21	1.19	1.18	1.17	1.16	1.16	1.16

Appendix 3
Oil and Natural Gas Liquids

Table A3.1 Crude Oil and Bitumen Reserves

(10^6m^3) At Year-end 2006	Initial Reserves	Cumulative Production	Remaining Established Reserves
Conventional Crude Oil			
Light			
British Columbia	126.9	106.1	20.9
Alberta	2 329.6	2 148.0	181.6
Saskatchewan	252.0	219.7	32.6
Manitoba	41.5	37.0	4.5
Subtotal - WCSB	2 750.0	2 510.8	239.6
Ontario	14.7	13.1	1.6
Nova Scotia Offshore	7.0	7.0	0.0
Newfoundland Grand Banks	299.1	121.2	177.9
Mainland NWT & Yukon	52.8	37.1	15.7
Arctic Islands	0.5	0.5	0.0
Subtotal - Frontier	359.4	165.8	193.6
Subtotal - Light	3 124.1	2 689.7	434.8
Heavy			
Alberta	401.2	332.7	68.5
Saskatchewan	631.1	475.5	156.2
Subtotal - Heavy	1 032.3	808.2	224.7
Total - Conventional	4 156.4	3 497.9	659.5
Oil Sands			
Mining Projects	5 590.0	582.0	5 008.0
In Situ Projects	22 802.0	282.0	22 520.0
Total - Oil Sands	28 392.0	864.0	27 528.0

Sources:
Alberta EUB Reserves Report & Supply & Demand Report
Saskatchewan Reservoir Annual 2004
British Columbia Hydrocarbon and ByProducts Reserves 2003
Manitoba's Designated Oil Pools
CAPP for Ontario
Offshore Petroleum Board estimates of reserves for East Coast Offshore
NEB estimates for reserves in the mainland Territories and Arctic Islands

Table A3.2 Refinery Feedstock Requirements and Sources - Canada

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	100 569	99 600	99 550	105 493	108 936	106 176	106 057	112 468	119 381
Deduct Product Imports	-9 228	-11 536	-10 016	-12 862	-14 152	-16 233	-16 323	-19 953	-23 802
Add Product Exports	17 601	22 863	24 581	25 057	25 920	25 668	24 513	24 290	24 190
Net Regional Transfers -In/+Out	0	0	0	0	0	0	0	0	0
Product Inventory +Build/-Draw	-75	635	-295	-215	325	-38	614	0	0
Total	**108 867**	**111 562**	**113 822**	**117 474**	**121 028**	**115 572**	**114 861**	**116 805**	**119 768**
Per Day	**297.5**	**304.8**	**311.0**	**321.0**	**330.7**	**316.6**	**314.7**	**320.0**	**327.2**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	31	30	30	31	35	32	35	31	30
Light	99	104	116	115	121	114	112	128	131
Imports: Heavy	31	28	17	17	18	18	17	18	18
Light	114	118	124	128	131	129	122	115	120
Other Material	23	23	24	31	26	24	28	29	29
Inventory Change	0.3	0.9	0.7	-0.4	0.6	-0.7	1.0	0.0	0.0
Total Per Day	**297.5**	**304.8**	**311.0**	**321.0**	**330.7**	**316.6**	**314.7**	**320.0**	**327.2**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

Triple E

Feedstock Requirements	2000	2001	2002	2003	2004	2005	2006	2007	2008
(Thousands of Cubic Metres)									
Domestic Product Demand	100 569	99 600	99 550	105 493	108 936	106 176	106 057	112 465	114 981
Deduct Product Imports	-9 228	-11 536	-10 016	-12 862	-14 152	-16 233	-16 323	-19 702	-22 806
Add Product Exports	17 601	22 863	24 581	25 057	25 920	25 668	24 513	24 290	24 190
Net Regional Transfers -In/+Out	0	0	0	0	0	0	0	0	0
Product Inventory +Build/-Draw	-75	635	-295	-215	325	-38	614	0	0
Total	**108 867**	**111 562**	**113 822**	**117 474**	**121 028**	**115 572**	**114 861**	**117 053**	**116 364**
Per Day	**297.5**	**304.8**	**311.0**	**321.0**	**330.7**	**316.6**	**314.7**	**320.7**	**317.9**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
122 831	127 143	129 990	133 630	136 855	139 222	143 214	147 835	150 722	153 086	155 290	157 826
-23 542	-24 907	-25 987	-26 174	-27 928	-27 482	-27 524	-27 290	-27 302	-27 232	-27 178	-27 083
24 090	23 890	23 940	23 790	23 690	23 640	23 640	23 190	23 190	23 190	23 190	23 190
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
123 379	**126 126**	**127 943**	**131 246**	**132 617**	**135 381**	**139 330**	**143 735**	**146 610**	**149 044**	**151 302**	**153 933**
338.0	**345.5**	**350.5**	**358.6**	**363.3**	**370.9**	**381.7**	**392.7**	**401.7**	**408.3**	**414.5**	**420.6**
35	36	36	36	37	37	37	38	38	38	38	38
128	128	128	135	151	162	174	187	193	195	196	198
18	18	18	18	18	18	18	18	18	18	18	18
128	134	138	138	127	122	121	118	121	124	129	132
29	29	30	30	31	31	32	32	32	33	33	33
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
338.0	**345.5**	**350.5**	**358.6**	**363.3**	**370.9**	**381.7**	**392.7**	**401.7**	**408.3**	**414.5**	**420.6**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
114 932	116 064	116 811	117 149	118 882	119 827	121 101	122 977	123 959	124 510	125 234	126 045
-21 805	-22 455	-23 009	-22 611	-24 149	-23 816	-23 542	-23 116	-23 236	-23 279	-23 363	-23 427
24 090	23 890	23 940	23 790	23 690	23 640	23 640	23 190	23 190	23 190	23 190	23 190
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
117 217	**117 498**	**117 742**	**118 328**	**118 423**	**119 651**	**121 199**	**123 051**	**123 913**	**124 421**	**125 061**	**125 809**
321.1	**321.9**	**322.6**	**323.3**	**324.4**	**327.8**	**332.1**	**336.2**	**339.5**	**340.9**	**342.6**	**343.7**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
160 315	162 499	164 744	165 815	167 747	170 075	172 157	173 728	175 546	177 495
-27 055	-27 066	-27 154	-26 921	-26 894	-26 948	-26 993	-26 948	-26 962	-27 018
23 190	23 190	23 190	23 190	23 190	23 190	23 190	23 190	23 190	23 190
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
156 449	**158 623**	**160 780**	**162 083**	**164 043**	**166 316**	**168 354**	**169 969**	**171 774**	**173 667**
428.6	**434.6**	**440.5**	**442.9**	**449.4**	**455.7**	**461.2**	**464.4**	**470.6**	**475.8**
39	39	39	39	39	39	39	39	40	40
201	201	202	202	204	207	210	212	215	219
18	18	18	18	18	18	18	18	18	18
137	142	147	149	153	155	157	158	160	162
34	34	35	35	35	36	36	37	37	37
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
428.6	**434.6**	**440.5**	**442.9**	**449.4**	**455.7**	**461.2**	**464.4**	**470.6**	**475.8**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
126 742	127 202	127 561	127 277	127 732	128 634	129 252	129 606	130 104	130 901
-23 572	-23 636	-23 686	-23 472	-23 467	-23 566	-23 598	-23 580	-23 597	-23 664
23 190	23 190	23 190	23 190	23 190	23 190	23 190	23 190	23 190	23 190
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
126 360	**126 756**	**127 065**	**126 995**	**127 456**	**128 258**	**128 844**	**129 216**	**129 698**	**130 427**
346.2	**347.3**	**348.1**	**347.0**	**349.2**	**351.4**	**353.0**	**353.0**	**355.3**	**357.3**

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	31	30	30	31	35	32	35	31	30
Light	99	104	116	115	121	114	112	127	125
Imports: Heavy	31	28	17	17	18	18	17	18	18
Light	114	118	124	128	131	129	122	116	116
Other Material	23	23	24	31	26	24	28	29	29
Inventory Change	0.3	0.9	0.7	-0.4	0.6	-0.7	1.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Per Day	**297.5**	**304.8**	**311.0**	**321.0**	**330.7**	**316.6**	**314.7**	**320.7**	**317.9**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

Fortified Islands

Feedstock Requirements	2000	2001	2002	2003	2004	2005	2006	2007	2008
(Thousands of Cubic Metres)									
Domestic Product Demand	100 569	99 600	99 550	105 493	108 936	106 176	106 057	114 016	117 089
Deduct Product Imports	-9 228	-11 536	-10 016	-12 862	-14 152	-16 233	-16 323	-20 010	-23 274
Add Product Exports	17 601	22 863	24 581	25 057	25 920	25 668	24 513	24 290	24 190
Net Regional Transfers -In/+Out	0	0	0	0	0	0	0	0	0
Product Inventory +Build/-Draw	-75	635	-295	-215	325	-38	614	0	0
Total	**108 867**	**111 562**	**113 822**	**117 474**	**121 028**	**115 572**	**114 861**	**118 296**	**118 005**
Per Day	**297.5**	**304.8**	**311.0**	**321.0**	**330.7**	**316.6**	**314.7**	**324.1**	**322.4**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	30.7	29.9	29.9	31.1	34.8	31.8	34.8	30.6	30.3
Light	99.0	104.5	115.5	114.9	121.1	114.3	111.6	130.7	128.8
Imports: Heavy	31.1	28.1	17.2	16.6	17.6	17.9	17.4	18.0	18.0
Light	113.8	118.1	123.6	127.9	130.9	129.4	121.8	116.1	116.7
Other Material	22.5	23.3	24.1	30.9	25.7	23.9	28.2	28.6	28.7
Inventory Change	0.3	0.9	0.7	-0.4	0.6	-0.7	1.0	0.0	0.0
Total Per Day	**297.5**	**304.8**	**311.0**	**321.0**	**330.7**	**316.6**	**314.7**	**324.1**	**322.4**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
35	36	36	36	37	37	37	37	37	37	37	36
118	112	110	112	123	132	132	134	134	133	133	132
18	18	18	18	18	18	18	18	18	18	18	18
120	126	129	127	116	110	113	116	118	120	122	124
29	29	30	30	31	31	32	32	32	33	33	33
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
321.1	**321.9**	**322.6**	**323.3**	**324.4**	**327.8**	**332.1**	**336.2**	**339.5**	**340.9**	**342.6**	**343.7**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
117 430	118 391	119 899	121 164	124 692	125 576	128 661	131 302	133 014	134 899	136 878	139 600
-22 422	-23 166	-23 839	-23 823	-25 269	-24 462	-22 571	-21 833	-21 329	-21 016	-20 852	-20 808
24 090	23 890	23 940	23 790	23 690	40 140	40 140	39 690	39 690	39 690	39 690	39 690
0	0	0	0	0	0	-7 000	-7 000	-7 000	-7 000	-7 000	-7 000
0	0	0	0	0	0	0	0	0	0	0	0
119 099	**119 115**	**120 000**	**121 131**	**123 113**	**141 254**	**139 230**	**142 159**	**144 375**	**146 573**	**148 716**	**151 482**
326.3	**326.3**	**328.8**	**331.0**	**337.3**	**387.0**	**381.5**	**388.4**	**395.5**	**401.6**	**407.4**	**413.9**

35.3	35.9	36.1	36.5	37.1	37.7	42.1	42.3	42.9	43.2	43.5	43.7
123.8	123.0	120.9	122.6	141.8	155.8	176.2	181.3	201.5	203.5	206.5	216.4
17.9	18.1	18.1	18.1	18.1	31.7	27.9	27.8	27.9	27.9	27.9	27.8
120.0	119.9	123.5	123.4	109.5	130.7	103.7	105.1	91.0	94.3	96.4	92.5
29.3	29.5	30.1	30.4	30.7	31.2	31.6	31.9	32.4	32.7	33.1	33.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
326.3	**326.3**	**328.8**	**331.0**	**337.3**	**387.0**	**381.5**	**388.4**	**395.5**	**401.6**	**407.4**	**413.9**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
36	36	36	36	36	36	36	36	36	36
131	130	128	127	126	127	128	128	129	132
18	18	18	18	18	18	18	18	18	18
127	129	131	131	133	134	135	134	136	134
34	34	35	35	35	36	36	37	37	37
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
346.2	**347.3**	**348.1**	**347.0**	**349.2**	**351.4**	**353.0**	**353.0**	**355.3**	**357.3**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
141 744	142 775	144 005	145 187	146 295	146 955	148 208	149 262	150 398	151 569
-20 667	-20 344	-20 102	-19 976	-19 868	-19 608	-19 533	-19 459	-19 378	-19 278
39 690	39 690	39 690	39 690	39 690	39 690	39 690	39 690	39 690	39 690
-7 000	-7 000	-7 000	-7 000	-7 000	-7 000	-7 000	-7 000	-7 000	-7 000
0	0	0	0	0	0	0	0	0	0
153 767	**155 121**	**156 593**	**157 901**	**159 117**	**160 037**	**161 365**	**162 493**	**163 711**	**164 981**
421.3	**425.0**	**429.0**	**431.4**	**435.9**	**438.5**	**442.1**	**444.0**	**448.5**	**452.0**

44.0	44.3	44.5	44.6	44.8	45.0	45.1	45.1	45.4	45.5
218.2	213.6	210.7	204.7	202.1	200.3	199.4	198.8	200.6	201.9
27.9	27.9	27.9	27.8	27.9	27.9	27.9	27.8	27.9	27.9
97.3	105.0	111.3	119.4	125.6	129.5	133.5	135.8	137.7	139.3
33.9	34.3	34.7	35.0	35.5	35.8	36.2	36.5	37.0	37.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
421.3	**425.0**	**429.0**	**431.4**	**435.9**	**438.5**	**442.1**	**444.0**	**448.5**	**452.0**

Table A3.3 Refinery Feedstock Requirements and Sources - Atlantic

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	14 050	14 139	12 924	13 721	13 512	12 879	11 573	12 635	13 696
Deduct Product Imports	-4 153	-5 181	-3 778	-4 901	-4 629	-4 235	-3 130	-3 790	-4 109
Add Product Exports	11 199	16 448	17 258	18 486	18 567	18 970	18 041	18 500	18 500
Net Regional Transfers -In/+Out	-476	-433	-600	-640	-666	-914	-474	-690	-690
Product Inventory +Build/-Draw	-65	-122	-28	119	-6	-65	52	0	0
Total	**20 555**	**24 851**	**25 777**	**26 785**	**26 778**	**26 636**	**26 062**	**26 654**	**27 397**
Per Day	**56.2**	**67.9**	**70.4**	**73.2**	**73.2**	**73.0**	**71.4**	**73.0**	**74.9**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	2.5	4.7	8.8	10.2	6.6	8.8	8.0	13.1	12.8
Imports Heavy	4.4	3.2	3.2	2.9	4.1	5.2	5.8	5.4	5.7
Light	45.6	54.3	53.1	54.5	57.2	54.5	50.9	48.2	50.1
Other Material	3.5	5.4	4.5	6.0	5.0	5.2	6.3	6.3	6.3
Inventory Change	0.2	0.3	0.7	-0.5	0.3	-0.7	0.4	0.0	0.0
Total Per Day	**56.2**	**67.9**	**70.4**	**73.2**	**73.2**	**73.0**	**71.4**	**73.0**	**74.9**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam

Triple E

Feedstock Requirements	2000	2001	2002	2003	2004	2005	2006	2007	2008
(Thousands of Cubic Metres)									
Domestic Product Demand	14050	14139	12924	13721	13512	12879	11573	12648	12720
Deduct Product Imports	-4153	-5181	-3778	-4901	-4629	-4235	-3130	-3794	-3816
Add Product Exports	11199	16448	17258	18486	18567	18970	18041	18500	18500
Net Regional Transfers -In/+Out	-476	-433	-600	-640	-666	-914	-474	-690	-690
Product Inventory +Build/-Draw	-65	-122	-28	119	-6	-65	52	0	0
Total	**20555**	**24851**	**25777**	**26785**	**26778**	**26636**	**26062**	**26663**	**26714**
Per Day	**56.2**	**67.9**	**70.4**	**73.2**	**73.2**	**73.0**	**71.4**	**73.1**	**73.0**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
13 840	13 913	13 763	13 456	13 586	13 755	13 628	14 104	13 800	13 771	13 771	13 586
-4 152	-4 174	-4 129	-4 037	-4 076	-4 127	-4 088	-4 231	-4 140	-4 131	-4 131	-4 076
18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500
-690	-690	-690	-690	-690	-690	-690	-690	-690	-690	-690	-690
0	0	0	0	0	0	0	0	0	0	0	0
27 498	**27 549**	**27 444**	**27 229**	**27 320**	**27 439**	**27 349**	**27 683**	**27 470**	**27 450**	**27 449**	**27 320**
75.3	**75.5**	**75.2**	**74.4**	**74.8**	**75.2**	**74.9**	**75.6**	**75.3**	**75.2**	**75.2**	**74.6**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.5	8.1	6.6	6.3	11.0	13.1	10.4	11.5	10.9	10.1	9.4	8.5
5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.4	54.9	55.5	54.8	50.4	48.3	50.5	49.9	49.8	50.3	50.7	50.8
6.7	6.8	7.3	7.5	7.6	7.9	8.2	8.5	8.7	9.0	9.2	9.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.3	**75.5**	**75.2**	**74.4**	**74.8**	**75.2**	**74.9**	**75.6**	**75.3**	**75.2**	**75.2**	**74.6**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
12396	12499	12169	11339	11320	11283	10921	11022	10988	10899	10805	10683
-3719	-3750	-3651	-3402	-3396	-3385	-3276	-3307	-3297	-3270	-3242	-3205
18500	18500	18500	18500	18500	18500	18500	18500	18500	18500	18500	18500
-690	-690	-690	-690	-690	-690	-690	-690	-690	-690	-690	-690
0	0	0	0	0	0	0	0	0	0	0	0
26487	**26560**	**26328**	**25748**	**25734**	**25708**	**25455**	**25526**	**25502**	**25439**	**25374**	**25288**
72.6	**72.8**	**72.1**	**70.3**	**70.5**	**70.4**	**69.7**	**69.7**	**69.9**	**69.7**	**69.5**	**69.1**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
13 603	13 640	13 730	12 929	12 986	13 103	13 195	13 094	13 159	13 237
-4 081	-4 092	-4 119	-3 879	-3 896	-3 931	-3 959	-3 928	-3 948	-3 971
18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500	18 500
-690	-690	-690	-690	-690	-690	-690	-690	-690	-690
0	0	0	0	0	0	0	0	0	0
27 332	**27 358**	**27 421**	**26 861**	**26 900**	**26 982**	**27 047**	**26 975**	**27 021**	**27 076**
74.9	**75.0**	**75.1**	**73.4**	**73.7**	**73.9**	**74.1**	**73.7**	**74.0**	**74.2**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.6	6.4	5.2	4.4	3.6	3.2	3.0	2.8	2.5	2.3
5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
51.7	52.7	53.8	52.7	53.5	53.9	54.0	53.6	53.9	54.0
9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.8	12.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.9	**75.0**	**75.1**	**73.4**	**73.7**	**73.9**	**74.1**	**73.7**	**74.0**	**74.2**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
10646	10601	10587	9753	9704	9680	9660	9595	9596	9620
-3194	-3180	-3176	-2926	-2911	-2904	-2898	-2878	-2879	-2886
18500	18500	18500	18500	18500	18500	18500	18500	18500	18500
-690	-690	-690	-690	-690	-690	-690	-690	-690	-690
0	0	0	0	0	0	0	0	0	0
25262	**25231**	**25221**	**24637**	**24602**	**24586**	**24572**	**24526**	**24527**	**24544**
69.2	**69.1**	**69.1**	**67.3**	**67.4**	**67.4**	**67.3**	**67.0**	**67.2**	**67.2**

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	2.5	4.7	8.8	10.2	6.6	8.8	8.0	13.2	12.9
Imports: Heavy	4.4	3.2	3.2	2.9	4.1	5.2	5.8	5.4	5.7
Light	45.6	54.3	53.1	54.5	57.2	54.5	50.9	48.2	48.2
Other Material	3.5	5.4	4.5	6.0	5.0	5.2	6.3	6.3	6.3
Inventory Change	0.2	0.3	0.7	-0.5	0.3	-0.7	0.4	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Per Day	**56.2**	**67.9**	**70.4**	**73.2**	**73.2**	**73.0**	**71.4**	**73.1**	**73.0**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam

Fortified Islands

Feedstock Requirements	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
(Thousands of Cubic Metres)									
Domestic Product Demand	14 050	14 139	12 924	13 721	13 512	12 879	11 573	13 273	13 708
Deduct Product Imports	-4 153	-5 181	-3 778	-4 901	-4 629	-4 235	-3 130	-3 982	-4 112
Add Product Exports	11 199	16 448	17 258	18 486	18 567	18 970	18 041	18 500	18 500
Net Regional Transfers -In/+Out	- 476	- 433	- 600	- 640	- 666	- 914	- 474	- 690	- 690
Product Inventory +Build/-Draw	-65	-122	-28	119	-6	-65	52	0	0
Total	**20 555**	**24 851**	**25 777**	**26 785**	**26 778**	**26 636**	**26 062**	**27 101**	**27 405**
Per Day	**56.2**	**67.9**	**70.4**	**73.2**	**73.2**	**73.0**	**71.4**	**74.2**	**74.9**

Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy									
Light	2.5	4.7	8.8	10.2	6.6	8.8	8.0	13.7	13.4
Imports: Heavy	4.4	3.2	3.2	2.9	4.1	5.2	5.8	5.4	5.7
Light	45.6	54.3	53.1	54.5	57.2	54.5	50.9	48.9	49.5
Other Material	3.5	5.4	4.5	6.0	5.0	5.2	6.3	6.3	6.3
Inventory Change	0.2	0.3	0.7	-0.5	0.3	-0.7	0.4	0.0	0.0
Total Per Day	**56.2**	**67.9**	**70.4**	**73.2**	**73.2**	**73.0**	**71.4**	**74.2**	**74.9**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.5	7.6	6.2	5.6	9.9	12.1	7.8	7.0	6.4	5.9	5.6	5.1
5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
49.6	52.6	52.9	51.4	47.2	44.6	47.9	48.4	48.9	49.1	48.9	48.7
6.7	6.8	7.3	7.5	7.6	7.9	8.2	8.5	8.7	9.0	9.2	9.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	**72.8**	**72.1**	**70.3**	**70.5**	**70.4**	**69.7**	**69.7**	**69.9**	**69.7**	**69.5**	**69.1**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
13 576	13 401	13 066	13 050	12 797	12 326	12 464	12 526	12 468	12 722	12 749	12 783
-4 073	-4 020	-3 920	3 915	-3 839	-3 698	-3 739	-3 758	-3 740	-3 817	-3 825	-3 835
18 500	18 500	18 500	18 500	18 500	35 000	35 000	35 000	35 000	35 000	35 000	35 000
-690	-690	-690	-690	-690	-690	-690	-690	-690	-690	-690	-690
0	0	0	0	0	0	0	0	0	0	0	0
27 314	**27 191**	**26 956**	**26 945**	**26 768**	**42 938**	**43 035**	**43 078**	**43 038**	**43 215**	**43 235**	**43 258**
74.8	**74.5**	**73.9**	**73.6**	**73.3**	**117.6**	**117.9**	**117.7**	**117.9**	**118.4**	**118.5**	**118.2**

11.9	10.8	9.2	8.7	13.8	17.3	16.1	15.4	19.0	18.2	18.3	19.6
5.7	5.8	5.8	5.8	5.8	19.4	19.4	19.3	19.4	19.4	19.4	19.3
50.5	51.1	51.6	51.7	46.1	73.0	74.2	74.5	70.8	71.8	71.6	69.8
6.7	6.8	7.3	7.5	7.6	7.9	8.2	8.5	8.7	9.0	9.2	9.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.8	**74.5**	**73.9**	**73.6**	**73.3**	**117.6**	**117.9**	**117.7**	**117.9**	**118.4**	**118.5**	**118.2**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.6	3.9	3.1	2.6	2.1	1.9	1.8	1.8	1.6	2.3
5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
49.1	49.4	49.9	48.4	48.7	48.6	48.4	47.9	48.0	47.1
9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.8	12.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.2	**69.1**	**69.1**	**67.3**	**67.4**	**67.4**	**67.3**	**67.0**	**67.2**	**67.2**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
12 760	12 506	12 405	12 369	12 253	11 451	11 411	11 413	11 419	11 320
-3 828	-3 752	-3 722	-3 711	-3 676	-3 435	-3 423	-3 424	-3 426	-3 396
35 000	35 000	35 000	35 000	35 000	35 000	35 000	35 000	35 000	35 000
- 690	- 690	- 690	- 690	- 690	- 690	- 690	- 690	- 690	- 690
0	0	0	0	0	0	0	0	0	0
43 242	**43 064**	**42 994**	**42 968**	**42 887**	**42 326**	**42 298**	**42 299**	**42 304**	**42 234**
118.5	**118.0**	**117.8**	**117.4**	**117.5**	**116.0**	**115.9**	**115.6**	**115.9**	**115.7**

18.8	16.5	14.5	12.1	10.4	9.1	8.2	7.6	7.3	7.0
19.4	19.4	19.4	19.3	19.4	19.4	19.4	19.3	19.4	19.4
70.6	72.1	73.7	75.5	77.0	76.4	77.0	77.1	77.4	77.3
9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.8	12.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5	**118.0**	**117.8**	**117.4**	**117.5**	**116.0**	**115.9**	**115.6**	**115.9**	**115.7**

Table A3.4 Refinery Feedstock Requirements and Sources - Quebec

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	20 018	19 827	20 325	21 918	22 252	21 624	22 240	23 117	23 994
Deduct Product Imports	-2 286	-2 979	-2 834	-4 336	-4 998	-7 073	-8 226	-8 300	-8 300
Add Product Exports	1 305	1 334	1 699	1 432	2 107	2 460	2 505	2 400	2 400
Net Regional Transfers -In/+Out	3 992	3 923	4 395	5 157	5 096	8 553	9 067	7 570	7 570
Product Inventory +Build/-Draw	-71	253	-143	20	5	84	51	0	0
Total	**22 958**	**22 359**	**23 443**	**24 192**	**24 463**	**25 648**	**25 638**	**24 787**	**25 664**
Per Day	**62.7**	**61.1**	**64.1**	**66.1**	**66.8**	**70.3**	**70.2**	**67.9**	**70.3**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.3	1.8	4.2	7.8	8.6	5.8	4.5	6.8	6.5
Imports: Heavy	26.7	24.9	14.0	13.7	13.5	12.8	11.6	12.6	12.3
Light	33.6	32.1	44.3	44.2	43.3	49.7	51.1	46.1	49.1
Other Material	1.9	1.9	0.8	0.9	1.1	1.9	2.4	2.4	2.4
Inventory Change	0.2	0.4	0.7	-0.5	0.3	0.0	0.6	0.0	0.0
Total Per Day	**62.7**	**61.1**	**64.1**	**66.1**	**66.8**	**70.3**	**70.2**	**67.9**	**70.3**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam

Triple E

Feedstock Requirements	2000	2001	2002	2003	2004	2005	2006	2007	2008
(Thousands of Cubic Metres)									
Domestic Product Demand	20 018	19 827	20 325	21 918	22 252	21 624	22 240	23 878	23 446
Deduct Product Imports	-2 286	-2 979	-2 834	-4 336	-4 998	-7 073	-8 226	-8 300	-8 300
Add Product Exports	1 305	1 334	1 699	1 432	2 107	2 460	2 505	2 400	2 400
Net Regional Transfers -In/+Out	3 992	3 923	4 395	5 157	5 096	8 553	9 067	7 570	7 570
Product Inventory +Build/-Draw	-71.3	253.4	-142.7	19.9	5.3	83.8	51.3	0.0	0.0
Total	**22 958**	**22 359**	**23 443**	**24 192**	**24 463**	**25 648**	**25 638**	**25 548**	**25 116**
Per Day	**62.7**	**61.1**	**64.1**	**66.1**	**66.8**	**70.3**	**70.2**	**70.0**	**68.8**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
24 510	25 056	25 386	25 871	26 169	26 432	26 952	27 547	28 100	28 492	28 842	29 180
-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300
2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400
7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570
0	0	0	0	0	0	0	0	0	0	0	0
26 180	**26 726**	**27 056**	**27 541**	**27 839**	**28 102**	**28 622**	**29 217**	**29 770**	**30 162**	**30 512**	**30 850**
71.7	**73.2**	**74.1**	**75.5**	**76.3**	**77.0**	**78.4**	**80.0**	**81.6**	**82.6**	**83.6**	**84.3**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.3	4.7	3.8	4.1	7.6	9.0	12.3	14.0	13.6	12.8	11.5	10.3
12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
51.8	53.8	55.6	56.6	54.0	53.2	51.4	51.3	53.3	55.1	57.3	59.3
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.7	**73.2**	**74.1**	**75.5**	**76.3**	**77.0**	**78.4**	**80.0**	**81.6**	**82.6**	**83.6**	**84.3**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
22 963	22 649	22 560	22 466	22 445	22 436	22 545	22 798	22 944	23 074	23 241	23 453
-8 300	-8 300	8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	8 300	-8 300
2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400
7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 633	**24 319**	**24 230**	**24 136**	**24 115**	**24 106**	**24 215**	**24 468**	**24 614**	**24 744**	**24 911**	**25 123**
67.5	**66.6**	**66.4**	**66.1**	**66.1**	**66.0**	**66.3**	**67.0**	**67.4**	**67.8**	**68.2**	**68.6**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
29 484	29 795	30 098	30 402	30 718	31 129	31 476	31 759	32 063	32 397
-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300
2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400
7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570
0	0	0	0	0	0	0	0	0	0
31 154	**31 465**	**31 768**	**32 072**	**32 388**	**32 799**	**33 146**	**33 429**	**33 733**	**34 067**
85.1	**86.0**	**86.8**	**87.6**	**88.5**	**89.6**	**90.6**	**91.3**	**92.2**	**93.3**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.9	7.6	6.3	5.3	4.4	3.9	3.4	3.1	2.7	2.5
12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
61.5	63.7	65.8	67.6	69.4	71.1	72.4	73.5	74.7	76.1
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.1	**86.0**	**86.8**	**87.6**	**88.5**	**89.6**	**90.6**	**91.3**	**92.2**	**93.3**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
23 609	23 701	23 730	23 802	23 882	24 070	24 197	24 270	24 366	24 545
-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-8 300
2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400
7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570	7 570
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 279	**25 371**	**25 400**	**25 472**	**25 552**	**25 740**	**25 867**	**25 940**	**26 036**	**26 215**
69.1	**69.3**	**69.4**	**69.6**	**69.8**	**70.3**	**70.7**	**70.9**	**71.1**	**71.8**

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.3	1.8	4.2	7.8	8.6	5.8	4.5	6.8	6.5
Imports: Heavy	26.7	24.9	14.0	13.7	13.5	12.8	11.6	12.6	12.3
Light	33.6	32.1	44.3	44.2	43.3	49.7	51.1	48.2	47.5
Other Material	1.9	1.9	0.8	0.9	1.1	1.9	2.4	2.4	2.4
Inventory Change	0.2	0.4	0.7	-0.5	0.3	0.0	0.6	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Per Day	**62.7**	**61.1**	**64.1**	**66.1**	**66.8**	**70.3**	**70.2**	**70.0**	**68.8**

Note: Domestic product demand includes end-use consumption, own consumption
and oil used to generate electricity and steam

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	20 018	19 827	20 325	21 918	22 252	21 624	22 240	23 835	23 513
Deduct Product Imports	-2 286	-2 979	-2 834	-4 336	-4 998	-7 073	-8 226	-8 300	-8 300
Add Product Exports	1 305	1 334	1 699	1 432	2 107	2 460	2 505	2 400	2 400
Net Regional Transfers -In/+Out	3 992	3 923	4 395	5 157	5 096	8 553	9 067	7 570	7 570
Product Inventory +Build/-Draw	-71	253	-143	20	5	84	51	0	0
Total	22 958	22 359	23 443	24 192	24 463	25 648	25 638	25 505	25 183
Per Day	**62.7**	**61.1**	**64.1**	**66.1**	**66.8**	**70.3**	**70.2**	**69.9**	**69.0**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.3	1.8	4.2	7.8	8.6	5.8	4.5	7.1	6.8
Imports: Heavy	26.7	24.9	14.0	13.7	13.5	12.8	11.6	12.6	12.3
Light	33.6	32.1	44.3	44.2	43.3	49.7	51.1	47.8	47.4
Other Material	1.9	1.9	0.8	0.9	1.1	1.9	2.4	2.4	2.4
Inventory Change	0.2	0.4	0.7	-0.5	0.3	0.0	0.6	0.0	0.0
Total Per Day	**62.7**	**61.1**	**64.1**	**66.1**	**66.8**	**70.3**	**70.2**	**69.9**	**69.0**

Note: Domestic product demand includes end-use consumption, own consumption
and oil used to generate electricity and steam

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.3	4.5	3.6	3.6	6.8	8.3	9.2	8.6	8.0	7.4	6.8	6.1
12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
47.5	47.4	48.1	47.7	44.5	43.0	42.4	43.7	44.7	45.6	46.7	47.8
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5	**66.6**	**66.4**	**66.1**	**66.1**	**66.0**	**66.3**	**67.0**	**67.4**	**67.8**	**68.2**	**68.6**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
23 306	23 025	23 040	23 158	23 239	23 224	23 386	23 554	23 714	23 825	24 027	24 235
-8 300	-8 300	-8 300	-8 300	-8 300	-8 300	-6 900	-6 900	-6 900	-6 900	-6 900	-6 900
2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400
7 570	7 570	7 570	7 570	7 570	7 570	570	570	570	570	570	570
0	0	0	0	0	0	0	0	0	0	0	0
24 976	24 695	24 710	24 828	24 909	24 894	19 456	19 624	19 784	19 895	20 097	20 305
68.4	**67.7**	**67.7**	**68.0**	**68.2**	**68.2**	**53.3**	**53.8**	**54.2**	**54.5**	**55.1**	**55.5**

0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8
6.1	6.3	5.3	5.6	9.5	11.9	19.0	18.8	23.7	23.1	22.3	23.6
12.2	12.3	12.3	12.3	12.3	12.3	8.5	8.5	8.5	8.5	8.5	8.5
47.8	46.6	47.7	47.7	44.0	41.5	19.6	20.2	15.7	16.7	18.0	17.2
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.4	**67.7**	**67.7**	**68.0**	**68.2**	**68.2**	**53.3**	**53.8**	**54.2**	**54.5**	**55.1**	**55.5**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.4	4.6	3.7	3.2	2.6	2.3	2.1	2.0	1.7	2.5
12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
49.0	50.0	51.0	51.7	52.5	53.3	53.8	54.2	54.7	54.6
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.1	**69.3**	**69.4**	**69.6**	**69.8**	**70.3**	**70.7**	**70.9**	**71.1**	**71.8**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
24 388	24 476	24 545	24 631	24 738	24 913	25 043	25 091	25 186	25 334
-6 900	-6 900	-6 900	-6 900	-6 900	-6 900	-6 900	-6 900	-6 900	-6 900
2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400	2 400
570	570	570	570	570	570	570	570	570	570
0	0	0	0	0	0	0	0	0	0
20 458	20 546	20 615	20 701	20 808	20 983	21 113	21 161	21 256	21 404
55.9	**56.1**	**56.3**	**56.6**	**56.9**	**57.3**	**57.7**	**57.8**	**58.1**	**58.6**

3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
22.1	19.4	17.4	14.7	12.7	11.0	9.6	8.5	8.0	7.5
8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
19.1	22.0	24.2	27.2	29.4	31.7	33.4	34.6	35.3	36.4
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.9	**56.1**	**56.3**	**56.6**	**56.9**	**57.3**	**57.7**	**57.8**	**58.1**	**58.6**

Table A3.5 Refinery Feedstock Requirements and Sources - Ontario

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	34 195	33 054	34 157	34 912	36 683	35 232	35 584	36 297	37 010
Deduct Product Imports	-767	-822	-995	-1 165	-1 231	-1 562	-1 497	-1 430	-1 430
Add Product Exports	2 788	3 126	3 059	2 392	2 405	1 984	1 867	2 090	2 090
Net Regional Transfers -In/+Out	-4 722	-4 228	-4 705	-5 253	-5 224	-8 783	-9 519	-7 770	-7 770
Product Inventory +Build/-Draw	-126	465	-404	-40	24	-45	-7	0	0
Total	**31 369**	**31 595**	**31 111**	**30 846**	**32 656**	**26 826**	**26 428**	**29 187**	**29 900**
Per Day	**85.7**	**86.3**	**85.0**	**84.3**	**89.2**	**73.5**	**72.4**	**80.0**	**81.9**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	12.7	12.5	12.3	10.5	12.3	9.2	9.7	10.4	9.6
Light	27.5	31.8	35.0	34.0	34.8	29.2	30.3	38.3	40.6
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	34.5	31.8	26.2	29.2	30.4	25.1	19.7	20.2	20.6
Other Material	10.9	9.9	12.0	10.5	11.7	9.9	12.6	11.1	11.1
Inventory Change	0.1	0.4	-0.5	0.2	0.1	0.0	0.0	0.0	0.0
Total Per Day	**85.7**	**86.3**	**85.0**	**84.3**	**89.2**	**73.5**	**72.4**	**80.0**	**81.9**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

Triple E

Feedstock Requirements	2000	2001	2002	2003	2004	2005	2006	2007	2008
(Thousands of Cubic Metres)									
Domestic Product Demand	34 195	33 054	34 157	34 912	36 683	35 232	35 584	36 084	35 474
Deduct Product Imports	-767	-822	-995	-1 165	-1 231	-1 562	-1 497	-1 430	-1 430
Add Product Exports	2 788	3 126	3 059	2 392	2 405	1 984	1 867	2 090	2 090
Net Regional Transfers -In/+Out	-4 722	-4 228	-4 705	-5 253	-5 224	-8 783	-9 519	-7 770	-7 770
Product Inventory +Build/-Draw	-126	465	-404	-40	24	-45	-7	0	0
Total	31 369	31 595	31 111	30 846	32 656	26 826	26 428	28 974	28 364
Per Day	86	86	85	84	89	73	72	79	78

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
38 204	39 518	40 416	41 339	42 012	42 706	43 785	45 050	46 151	46 994	47 734	48 514
-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430
2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090
-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770
0	0	0	0	0	0	0	0	0	0	0	0
31 094	**32 408**	**33 306**	**34 229**	**34 902**	**35 596**	**36 675**	**37 940**	**39 041**	**39 884**	**40 624**	**41 404**
85.2	**88.8**	**91.3**	**93.8**	**95.6**	**97.5**	**100.5**	**103.9**	**107.0**	**109.3**	**111.3**	**113.4**
9.8	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
41.0	42.3	43.2	45.7	52.1	55.9	60.8	66.3	68.5	69.6	69.9	70.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.4	25.4	27.2	27.2	22.6	20.8	18.7	16.7	17.6	18.7	20.5	22.2
11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.2	**88.8**	**91.3**	**93.8**	**95.6**	**97.5**	**100.5**	**103.9**	**107.0**	**109.3**	**111.3**	**113.4**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
35 691	35 899	36 267	36 518	36 947	37 350	37 993	38 788	39 365	39 877	40 468	41 136
-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430
2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090
-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770
0	0	0	0	0	0	0	0	0	0	0	0
28 581	28 789	29 157	29 408	29 837	30 240	30 883	31 678	32 255	32 767	33 358	34 026
78	79	80	81	82	83	85	87	88	90	91	93

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
49 201	49 943	50 658	51 342	52 102	53 051	53 866	54 547	55 275	56 055
-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430
2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090
-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770
0	0	0	0	0	0	0	0	0	0
42 091	**42 833**	**43 548**	**44 232**	**44 992**	**45 941**	**46 756**	**47 437**	**48 165**	**48 945**
115.3	**117.3**	**119.3**	**121.2**	**123.3**	**125.9**	**128.1**	**130.0**	**132.0**	**134.1**
9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
70.5	70.9	71.2	71.9	72.9	74.8	76.5	78.0	79.5	81.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.9	25.6	27.2	28.4	29.5	30.2	30.7	31.1	31.5	31.9
11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.3	**117.3**	**119.3**	**121.2**	**123.3**	**125.9**	**128.1**	**130.0**	**132.0**	**134.1**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
41 645	42 005	42 328	42 688	43 044	43 560	43 911	44 142	44 386	44 732
-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430
2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090
-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770
0	0	0	0	0	0	0	0	0	0
34 535	34 895	35 218	35 578	35 934	36 450	36 801	37 032	37 276	37 622
95	96	96	97	98	100	101	101	102	103

Feedstock Sources (Thousands of Cubic Metres Per Day)	2000	2001	2002	2003	2004	2005	2006	2007	2008
Domestic: Heavy	12.7	12.5	12.3	10.5	12.3	9.2	9.7	10.4	9.6
Light	27.5	31.8	35.0	34.0	34.8	29.2	30.3	37.8	36.5
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	34.5	31.8	26.2	29.2	30.4	25.1	19.7	20.1	20.5
Other Material	10.9	9.9	12.0	10.5	11.7	9.9	12.6	11.1	11.1
Inventory Change	0.1	0.4	-0.5	0.2	0.1	0.0	0.0	0.0	0.0
Total Per Day	**85.7**	**86.3**	**85.0**	**84.3**	**89.2**	**73.5**	**72.4**	**79.4**	**77.7**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

Fortified Islands

Feedstock Requirements (Thousands of Cubic Metres)	2000	2001	2002	2003	2004	2005	2006	2007	2008
Domestic Product Demand	34 195	33 054	34 157	34 912	36 683	35 232	35 584	36 779	36 132
Deduct Product Imports	-767	-822	-995	-1 165	-1 231	-1 562	-1 497	-1 430	-1 430
Add Product Exports	2 788	3 126	3 059	2 392	2 405	1 984	1 867	2 090	2 090
Net Regional Transfers -In/+Out	-4 722	-4 228	-4 705	-5 253	-5 224	-8 783	-9 519	-7 770	-7 770
Product Inventory +Build/-Draw	-126	465	-404	-40	24	-45	-7	0	0
Total	**31 369**	**31 595**	**31 111**	**30 846**	**32 656**	**26 826**	**26 428**	**29 669**	**29 022**
Per Day	**85.7**	**86.3**	**85.0**	**84.3**	**89.2**	**73.5**	**72.4**	**81.3**	**79.5**

Feedstock Sources (Thousands of Cubic Metres Per Day)	2000	2001	2002	2003	2004	2005	2006	2007	2008
Domestic: Heavy	12.7	12.5	12.3	10.5	12.3	9.2	9.7	10.4	9.6
Light	27.5	31.8	35.0	34.0	34.8	29.2	30.3	40.3	38.9
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	34.5	31.8	26.2	29.2	30.4	25.1	19.7	19.5	19.9
Other Material	10.9	9.9	12.0	10.5	11.7	9.9	12.6	11.1	11.1
Inventory Change	0.1	0.4	-0.5	0.2	0.1	0.0	0.0	0.0	0.0
Total Per Day	**85.7**	**86.3**	**85.0**	**84.3**	**89.2**	**73.5**	**72.4**	**81.3**	**79.5**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9.8	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
34.1	31.9	31.3	31.7	37.0	40.0	40.9	42.1	42.8	43.3	44.1	44.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.3	26.0	27.7	28.0	23.8	21.9	22.8	23.8	24.7	25.6	26.4	27.4
11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.3	**78.9**	**79.9**	**80.6**	**81.7**	**82.8**	**84.6**	**86.8**	**88.4**	**89.8**	**91.4**	**93.2**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
36 033	35 961	36 200	36 548	36 814	36 992	37 351	37 713	38 041	38 271	38 678	39 113
-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430
2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090
-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770
0	0	0	0	0	0	0	0	0	0	0	0
28 923	**28 851**	**29 090**	**29 438**	**29 704**	**29 882**	**30 241**	**30 603**	**30 931**	**31 161**	**31 568**	**32 003**
79.2	**79.0**	**79.7**	**80.7**	**81.4**	**81.9**	**82.9**	**83.8**	**84.7**	**85.4**	**86.5**	**87.7**

9.8	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
36.6	35.9	34.6	35.5	41.0	44.8	52.1	52.4	59.3	58.7	58.7	61.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.8	22.2	24.2	24.2	19.4	16.2	9.9	10.5	4.5	5.7	6.9	5.6
11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.2	**79.0**	**79.7**	**80.7**	**81.4**	**81.9**	**82.9**	**83.8**	**84.7**	**85.4**	**86.5**	**87.7**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
45.4	45.4	45.2	45.5	45.8	46.9	47.6	48.1	48.4	50.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.3	29.3	30.3	31.0	31.7	32.1	32.3	32.5	32.8	31.9
11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.6	**95.6**	**96.5**	**97.5**	**98.4**	**99.9**	**100.8**	**101.5**	**102.1**	**103.1**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
39 382	39 534	39 654	39 805	40 001	40 329	40 571	40 730	40 936	41 176
-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430	-1 430
2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090	2 090
-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770	-7 770
0	0	0	0	0	0	0	0	0	0
32 272	**32 424**	**32 544**	**32 695**	**32 891**	**33 219**	**33 461**	**33 620**	**33 826**	**34 066**
88.4	**88.8**	**89.2**	**89.6**	**90.1**	**91.0**	**91.7**	**92.1**	**92.7**	**93.3**

9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
60.0	57.1	54.9	51.9	50.0	48.8	47.8	47.0	46.9	46.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	10.8	13.4	16.8	19.2	21.3	23.0	24.2	24.8	25.6
11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.4	**88.8**	**89.2**	**89.6**	**90.1**	**91.0**	**91.7**	**92.1**	**92.7**	**93.3**

Table A3.6 Refinery Feedstock Requirements and Sources - Alberta

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	13 779	14 124	13 439	15 577	16 282	16 593	16 757	20 842	24 927
Deduct Product Imports	- 37	- 41	- 61	- 104	- 75	- 90	- 154	- 200	- 200
Add Product Exports	760	788	927	999	1 144	972	960	200	200
Net Regional Transfers -In/+Out	11 695	10 423	11 840	10 768	10 491	9 894	9 490	7 221	3 221
Product Inventory +Build/-Draw	132	-91	-51	4	-4	146	-83	0	0
Total	**26 328**	**25 202**	**26 093**	**27 243**	**27 839**	**27 515**	**26 969**	**28 063**	**28 148**
Per Day	**71.9**	**68.9**	**71.3**	**74.4**	**76.1**	**75.4**	**73.9**	**76.9**	**77.1**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	7.3	7.4	7.7	8.3	7.7	8.0	8.9	7.0	7.0
Light	59.7	56.9	58.6	54.0	62.4	62.2	60.1	63.2	63.4
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	4.9	4.8	5.4	11.9	5.9	5.2	4.9	6.6	6.6
Inventory Change	0.0	-0.2	-0.4	0.1	0.0	0.0	0.0	0.0	0.0
Total Per Day	**71.9**	**68.9**	**71.3**	**74.4**	**76.1**	**75.4**	**73.9**	**76.9**	**77.1**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

Triple E

Feedstock Requirements	2000	2001	2002	2003	2004	2005	2006	2007	2008
(Thousands of Cubic Metres)									
Domestic Product Demand	13 779	14 124	13 439	15 577	16 282	16 593	16 757	20 505	24 254
Deduct Product Imports	- 37	- 41	- 61	- 104	- 75	- 90	- 154	- 200	- 200
Add Product Exports	760	788	927	999	1 144	972	960	200	200
Net Regional Transfers -In/+Out	11 695	10 423	11 840	10 768	10 491	9 894	9 490	7 221	3 221
Product Inventory +Build/-Draw	132	-91	-51	4	-4	146	-83	0	0
Total	**26 328**	**25 202**	**26 093**	**27 243**	**27 839**	**27 515**	**26 969**	**27 726**	**27 475**
Per Day	**72**	**69**	**71**	**74**	**76**	**75**	**74**	**76**	**75**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
26 101	27 951	29 349	31 539	33 412	34 507	36 623	38 538	39 706	40 656	41 550	42 912
-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
200	200	200	200	200	200	200	200	200	200	200	200
3 221	1 721	721	221	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779
0	0	0	0	0	0	0	0	0	0	0	0
29 322	**29 672**	**30 070**	**31 760**	**31 633**	**32 728**	**34 844**	**36 759**	**37 927**	**38 877**	**39 771**	**41 133**
80.3	**81.3**	**82.4**	**87.0**	**86.7**	**89.7**	**95.5**	**100.7**	**103.9**	**106.5**	**109.0**	**112.7**

11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
62.5	63.5	64.6	69.2	68.9	71.9	77.7	82.9	86.1	88.7	91.2	94.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.3	**81.3**	**82.4**	**87.0**	**86.7**	**89.7**	**95.5**	**100.7**	**103.9**	**106.5**	**109.0**	**112.7**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
24 959	26 281	27 188	28 333	29 668	30 330	31 263	31 889	32 090	32 066	32 059	32 076
-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
200	200	200	200	200	200	200	200	200	200	200	200
3 221	1 721	721	221	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779
0	0	0	0	0	0	0	0	0	0	0	0
28 180	**28 002**	**27 909**	**28 554**	**27 889**	**28 551**	**29 484**	**30 110**	**30 311**	**30 287**	**30 280**	**30 297**
77	**77**	**76**	**78**	**76**	**78**	**81**	**82**	**83**	**83**	**83**	**83**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
44 171	45 005	45 837	46 469	47 069	47 676	48 263	48 766	49 279	49 804
- 200	- 200	- 200	- 200	- 200	- 200	- 200	- 200	- 200	- 200
200	200	200	200	200	200	200	200	200	200
-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779
0	0	0	0	0	0	0	0	0	0
42 392	**43 226**	**44 058**	**44 690**	**45 290**	**45 897**	**46 484**	**46 987**	**47 500**	**48 025**
116.1	**118.4**	**120.7**	**122.4**	**124.1**	**125.7**	**127.4**	**128.7**	**130.1**	**131.6**

11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
98.4	100.6	102.9	104.7	106.3	108.0	109.6	110.9	112.3	113.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.1	**118.4**	**120.7**	**122.4**	**124.1**	**125.7**	**127.4**	**128.7**	**130.1**	**131.6**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
32 069	32 111	32 140	32 223	32 288	32 417	32 513	32 593	32 697	32 848
- 200	- 200	- 200	- 200	- 200	- 200	- 200	- 200	- 200	- 200
200	200	200	200	200	200	200	200	200	200
-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779
0	0	0	0	0	0	0	0	0	0
30 290	**30 332**	**30 361**	**30 444**	**30 509**	**30 638**	**30 734**	**30 814**	**30 918**	**31 069**
83	**83**	**83**	**83**	**84**	**84**	**84**	**84**	**85**	**85**

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	7.3	7.4	7.7	8.3	7.7	8.0	8.9	7.0	7.0
Light	59.7	56.9	58.6	54.0	62.4	62.2	60.1	62.3	61.6
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	4.9	4.8	5.4	11.9	5.9	5.2	4.9	6.6	6.6
Inventory Change	0.0	-0.2	-0.4	0.1	0.0	0.0	0.0	0.0	0.0
Total Per Day	**71.9**	**68.9**	**71.3**	**74.4**	**76.1**	**75.4**	**73.9**	**76.0**	**75.3**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam

Fortified Islands

Feedstock Requirements	2000	2001	2002	2003	2004	2005	2006	2007	2008
(Thousands of Cubic Metres)									
Domestic Product Demand	13 779	14 124	13 439	15 577	16 282	16 593	16 757	20 576	24 395
Deduct Product Imports	- 37	- 41	- 61	- 104	- 75	- 90	- 154	- 100	- 100
Add Product Exports	760	788	927	999	1 144	972	960	200	200
Net Regional Transfers -In/+Out	11 695	10 423	11 840	10 768	10 491	9 894	9 490	7 221	3 221
Product Inventory +Build/-Draw	132	-91	-51	4	-4	146	-83	0	0
Total	**26 328**	**25 202**	**26 093**	**27 243**	**27 839**	**27 515**	**26 969**	**27 897**	**27 716**
Per Day	**71.9**	**68.9**	**71.3**	**74.4**	**76.1**	**75.4**	**73.9**	**76.4**	**75.9**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	7.3	7.4	7.7	8.3	7.7	8.0	8.9	7.0	7.0
Light	59.7	56.9	58.6	54.0	62.4	62.2	60.1	62.8	62.3
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	4.9	4.8	5.4	11.9	5.9	5.2	4.9	6.6	6.6
Inventory Change	0.0	-0.2	-0.4	0.1	0.0	0.0	0.0	0.0	0.0
Total Per Day	**71.9**	**68.9**	**71.3**	**74.4**	**76.1**	**75.4**	**73.9**	**76.4**	**75.9**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
59.4	58.9	58.7	60.4	58.6	60.4	63.0	64.7	65.3	65.2	65.2	65.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.2	**76.7**	**76.5**	**78.2**	**76.4**	**78.2**	**80.8**	**82.5**	**83.0**	**83.0**	**83.0**	**83.0**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
25 242	26 731	28 155	28 810	32 075	33 210	35 433	37 298	38 447	39 536	40 613	42 280
-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
200	200	200	200	200	200	200	200	200	200	200	200
3 221	1 721	721	221	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779
0	0	0	0	0	0	0	0	0	0	0	0
28 563	**28 552**	**28 976**	**29 131**	**30 396**	**31 531**	**33 754**	**35 619**	**36 768**	**37 857**	**38 934**	**40 601**
78.3	**78.2**	**79.4**	**79.8**	**83.3**	**86.4**	**92.5**	**97.6**	**100.7**	**103.7**	**106.7**	**111.2**

11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
60.5	60.4	61.6	62.0	65.5	68.6	74.7	79.8	82.9	85.9	88.9	93.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.3	**78.2**	**79.4**	**79.8**	**83.3**	**86.4**	**92.5**	**97.6**	**100.7**	**103.7**	**106.7**	**111.2**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
65.2	65.3	65.4	65.6	65.8	66.1	66.4	66.6	66.9	67.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.0	**83.1**	**83.2**	**83.4**	**83.6**	**83.9**	**84.2**	**84.4**	**84.7**	**85.1**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
43 755	44 639	45 589	46 345	47 051	47 746	48 442	49 087	49 716	50 383
-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
200	200	200	200	200	200	200	200	200	200
-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779	-1 779
0	0	0	0	0	0	0	0	0	0
42 076	**42 960**	**43 910**	**44 666**	**45 372**	**46 067**	**46 763**	**47 408**	**48 037**	**48 704**
115.3	**117.7**	**120.3**	**122.4**	**124.3**	**126.2**	**128.1**	**129.9**	**131.6**	**133.4**

11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
97.5	99.9	102.5	104.6	106.5	108.4	110.3	112.1	113.8	115.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.3	**117.7**	**120.3**	**122.4**	**124.3**	**126.2**	**128.1**	**129.9**	**131.6**	**133.4**

Table A3.7 Refinery Feedstock Requirements and Sources - Other

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	18 527	18 456	18 705	19 365	20 206	19 849	19 903	19 577	19 752
Deduct Product Imports	-1 985	-2 513	-2 347	-2 356	-3 220	-3 275	-3 316	-6 232	-9 763
Add Product Exports	1 550	1 168	1 638	1 748	1 698	1 282	1 140	1 100	1 000
Net Regional Transfers -In/+Out	-10 489	-9 685	-10 930	-10 032	-9 698	-8 751	-8 564	-6 331	-2 331
Product Inventory +Build/-Draw	55	129	332	-318	306	-158	601	0	0
Total	**7 658**	**7 556**	**7 398**	**8 406**	**9 292**	**8 948**	**9 764**	**8 114**	**8 658**
Per Day	**20.9**	**20.6**	**20.2**	**23.0**	**25.4**	**24.5**	**26.8**	**22.2**	**23.7**
Feedstock Sources									
(Thousands of Cubic Metres Per Day)									
Domestic: Heavy	10.7	10.1	9.8	12.2	14.8	14.6	16.2	13.1	13.7
Light	9.1	9.4	9.0	8.9	8.8	8.2	8.7	7.0	7.7
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	1.4	1.3	1.3	1.6	2.0	1.8	2.0	2.1	2.3
Inventory Change	-0.2	-0.1	0.0	0.2	-0.2	0.0	-0.1	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Per Day	**20.9**	**20.6**	**20.2**	**23.0**	**25.4**	**24.5**	**26.8**	**22.2**	**23.7**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Feedstock Requirements									
(Thousands of Cubic Metres)									
Domestic Product Demand	18 527	18 456	18 705	19 365	20 206	19 849	19 903	19 349	19 087
Deduct Product Imports	-1 985	-2 513	-2 347	-2 356	-3 220	-3 275	-3 316	-5 978	-9 060
Add Product Exports	1 550	1 168	1 638	1 748	1 698	1 282	1 140	1 100	1 000
Net Regional Transfers -In/+Out	-10 489	-9 685	-10 930	-10 032	-9 698	-8 751	-8 564	-6 331	-2 331
Product Inventory +Build/-Draw	55	129	332	-318	306	-158	601	0	0
Total	**7 658**	**7 556**	**7 398**	**8 406**	**9 292**	**8 948**	**9 764**	**8 141**	**8 696**
Per Day	**20.9**	**20.6**	**20.2**	**23.0**	**25.4**	**24.5**	**26.8**	**22.3**	**23.8**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
20 177	20 705	21 075	21 425	21 676	21 822	22 227	22 596	22 965	23 173	23 393	23 633
-9 460	-10 803	-11 928	-12 208	-13 922	-13 425	-13 506	-13 128	-13 232	-13 171	-13 117	-13 077
900	700	750	600	500	450	450	0	0	0	0	0
-2 331	-831	169	669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669
0	0	0	0	0	0	0	0	0	0	0	0
9 286	**9 771**	**10 067**	**10 486**	**10 923**	**11 516**	**11 840**	**12 136**	**12 403**	**12 671**	**12 946**	**13 226**
25.4	**26.8**	**27.6**	**28.7**	**29.9**	**31.5**	**32.4**	**33.3**	**34.0**	**34.7**	**35.5**	**36.1**

14.3	14.8	15.0	15.4	15.8	16.3	16.5	16.7	16.9	17.1	17.3	17.4
8.7	9.5	9.9	10.5	11.2	12.2	12.7	13.2	13.6	14.0	14.5	14.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	2.5	2.7	2.8	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.4	**26.8**	**27.6**	**28.7**	**29.9**	**31.5**	**32.4**	**33.3**	**34.0**	**34.7**	**35.5**	**36.1**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
18 922	18 736	18 627	18 492	18 502	18 428	18 380	18 480	18 571	18 595	18 661	18 697
-8 156	-8 776	-9 428	-9 279	-10 823	-10 502	-10 336	-9 879	-10 009	-10 079	-10 192	-10 292
900	700	750	600	500	450	450	0	0	0	0	0
-2 331	- 831	169	669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669
0	0	0	0	0	0	0	0	0	0	0	0
9 335	**9 829**	**10 118**	**10 482**	**10 847**	**11 046**	**11 163**	**11 270**	**11 231**	**11 184**	**11 138**	**11 074**
25.6	**26.9**	**27.7**	**28.7**	**29.7**	**30.3**	**30.6**	**30.9**	**30.8**	**30.6**	**30.5**	**30.3**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
23 856	24 116	24 421	24 672	24 872	25 116	25 357	25 562	25 769	26 002
-13 044	-13 044	-13 106	-13 112	-13 068	-13 087	-13 104	-13 090	-13 084	-13 117
0	0	0	0	0	0	0	0	0	0
2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669
0	0	0	0	0	0	0	0	0	0
13 480	**13 741**	**13 985**	**14 228**	**14 472**	**14 697**	**14 921**	**15 141**	**15 354**	**15 554**
36.8	**37.5**	**38.2**	**38.9**	**39.5**	**40.2**	**40.8**	**41.4**	**42.0**	**42.6**

17.6	17.7	17.9	18.0	18.2	18.3	18.4	18.6	18.7	18.8
15.3	15.7	16.1	16.5	16.8	17.2	17.6	17.9	18.2	18.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.0	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.1	5.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.8	**37.5**	**38.2**	**38.9**	**39.5**	**40.2**	**40.8**	**41.4**	**42.0**	**42.6**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
18 773	18 783	18 777	18 810	18 815	18 907	18 971	19 005	19 059	19 156
-10 448	-10 526	-10 580	-10 616	-10 626	-10 732	-10 770	-10 771	-10 788	-10 848
0	0	0	0	0	0	0	0	0	0
2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669
0	0	0	0	0	0	0	0	0	0
10 994	**10 927**	**10 865**	**10 864**	**10 859**	**10 845**	**10 870**	**10 903**	**10 940**	**10 978**
30.0	**29.9**	**29.7**	**29.7**	**29.7**	**29.6**	**29.7**	**29.8**	**29.9**	**30.1**

Feedstock Sources (Thousands of Cubic Metres Per Day)	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Domestic: Heavy	10.7	10.1	9.8	12.2	14.8	14.6	16.2	13.2	13.7
Light	9.1	9.4	9.0	8.9	8.8	8.2	8.7	7.0	7.8
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	1.4	1.3	1.3	1.6	2.0	1.8	2.0	2.1	2.3
Inventory Change	-0.2	-0.1	0.0	0.2	-0.2	0.0	-0.1	0.0	0.0
Total Per Day	**20.9**	**20.6**	**20.2**	**23.0**	**25.4**	**24.5**	**26.8**	**22.3**	**23.8**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

Fortified Islands

Feedstock Requirements (Thousands of Cubic Metres)	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Domestic Product Demand	18 527	18 456	18 705	19 365	20 206	19 849	19 903	19 554	19 342
Deduct Product Imports	-1 985	-2 513	-2 347	-2 356	-3 220	-3 275	-3 316	-6 198	-9 332
Add Product Exports	1 550	1 168	1 638	1 748	1 698	1 282	1 140	1 100	1 000
Net Regional Transfers -In/+Out	-10 489	-9 685	-10 930	-10 032	-9 698	-8 751	-8 564	-6 331	-2 331
Product Inventory +Build/-Draw	55	129	332	-318	306	-158	601	0	0
Total	**7 658**	**7 556**	**7 398**	**8 406**	**9 292**	**8 948**	**9 764**	**8 125**	**8 679**
Per Day	**20.9**	**20.6**	**20.2**	**23.0**	**25.4**	**24.5**	**26.8**	**22.3**	**23.8**

Feedstock Sources (Thousands of Cubic Metres Per Day)									
Domestic: Heavy	10.7	10.1	9.8	12.2	14.8	14.6	16.2	13.1	13.7
Light	9.1	9.4	9.0	8.9	8.8	8.2	8.7	7.0	7.8
Imports: Heavy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Light	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Material	1.4	1.3	1.3	1.6	2.0	1.8	2.0	2.1	2.3
Inventory Change	-0.2	-0.1	0.0	0.2	-0.2	0.0	-0.1	0.0	0.0
Total Per Day	**20.9**	**20.6**	**20.2**	**23.0**	**25.4**	**24.5**	**26.8**	**22.3**	**23.8**

Note: Domestic product demand includes end-use consumption, own consumption and oil used to generate electricity and steam.

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
14.4	14.8	15.1	15.4	15.7	15.8	15.9	15.9	15.9	15.8	15.7	15.5
8.8	9.6	10.0	10.5	11.1	11.4	11.5	11.6	11.4	11.3	11.1	10.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	2.5	2.7	2.8	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.6	**26.9**	**27.7**	**28.7**	**29.7**	**30.3**	**30.6**	**30.9**	**30.8**	**30.6**	**30.5**	**30.3**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19 272	19 272	19 439	19 597	19 767	19 824	20 027	20 211	20 345	20 544	20 811	21 189
-8 519	-9 316	-10 090	-10 078	-11 600	-10 934	-10 402	-9 645	-9 159	-8 769	-8 597	-8 543
900	700	750	600	500	450	450	0	0	0	0	0
-2 331	-831	169	669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669
0	0	0	0	0	0	0	0	0	0	0	0
9 322	**9 825**	**10 268**	**10 788**	**11 336**	**12 009**	**12 744**	**13 235**	**13 855**	**14 444**	**14 883**	**15 314**
25.5	**26.9**	**28.1**	**29.6**	**31.1**	**32.9**	**34.9**	**36.3**	**38.0**	**39.6**	**40.8**	**41.8**

14.3	14.8	15.2	15.7	16.1	16.7	17.3	17.6	18.0	18.4	18.7	18.9
8.7	9.5	10.2	11.1	12.0	13.1	14.4	15.3	16.4	17.5	18.3	19.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	2.5	2.7	2.8	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.5	**26.9**	**28.1**	**29.6**	**31.1**	**32.9**	**34.9**	**36.3**	**38.0**	**39.6**	**40.8**	**41.8**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
15.4	15.3	15.2	15.2	15.1	15.0	15.0	15.0	15.0	15.0
10.6	10.4	10.2	10.1	10.0	9.9	9.9	9.9	9.9	9.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.0	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.1	5.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	**29.9**	**29.7**	**29.7**	**29.7**	**29.6**	**29.7**	**29.8**	**29.9**	**30.1**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
21 460	21 620	21 812	22 038	22 252	22 516	22 741	22 941	23 141	23 355
-8 409	-8 162	-7 950	-7 836	-7 762	-7 743	-7 680	-7 605	-7 522	-7 452
0	0	0	0	0	0	0	0	0	0
2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669	2 669
0	0	0	0	0	0	0	0	0	0
15 719	**16 128**	**16 531**	**16 871**	**17 159**	**17 442**	**17 730**	**18 005**	**18 288**	**18 573**
42.9	**44.1**	**45.2**	**46.1**	**46.9**	**47.7**	**48.4**	**49.2**	**50.0**	**50.9**

19.2	19.4	19.6	19.8	20.0	20.1	20.3	20.4	20.5	20.7
19.8	20.5	21.3	21.9	22.4	22.9	23.4	23.9	24.4	25.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.0	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.1	5.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.9	**44.1**	**45.2**	**46.1**	**46.9**	**47.7**	**48.4**	**49.2**	**50.0**	**50.9**

Table A3.8 Supply and Disposition of Light Domestic Crude Oil and Equivalent - Canada

Reference Case and Continuing Trends	2000	2001	2002	2003	2004	2005	2006	2007	2008
Light Crude Oil and Equivalent									
Domestic Supply									
Actual Production and Productive Capacity									
East Coast	24.6	25.8	47.7	55.6	51.8	50.5	52.8	67.3	67.0
W. Canada	184.7	182.1	188.6	194.3	204.7	189.3	207.4	228.3	265.1
Inventory -Build/+Draw	-1.4	-0.7	-11.6	-25.2	-13.8	-15.4	0.0	0.0	0.0
Total Domestic Supply	**207.8**	**207.2**	**224.7**	**224.6**	**242.6**	**224.5**	**260.2**	**295.6**	**332.1**
Disposition of Domestic Supply									
Atlantic	2.5	4.7	8.8	10.2	6.6	8.8	8.0	13.1	12.8
Quebec	0.3	1.8	4.2	7.8	8.6	5.8	4.5	6.8	6.5
Ontario	27.5	31.8	35.0	34.0	34.8	29.2	30.3	38.3	40.6
Alberta	59.7	56.9	58.6	54.0	62.4	62.2	60.1	63.2	63.4
Other Provinces	9.1	9.4	9.0	8.9	8.8	8.2	8.7	7.0	7.7
Total Canada	**99.0**	**104.5**	**115.5**	**114.9**	**121.1**	**114.3**	**111.6**	**128.3**	**131.1**
Exports	**108.8**	**102.8**	**109.2**	**109.7**	**121.5**	**110.2**	**124.1**	**167.3**	**201.0**

Triple E	2000	2001	2002	2003	2004	2005	2006	2007	2008
Light Crude Oil and Equivalent									
Domestic Supply									
Actual Production and Productive Capacity									
East Coast	24.6	25.8	47.7	55.6	51.8	50.4	52.5	67.7	67.3
W. Canada	184.7	182.1	188.6	194.3	204.7	189.3	207.3	228.8	266.2
Inventory -Build/+Draw	-1.4	-0.7	-11.6	-25.2	-13.8	-15.3	0.0	0.0	0.0
Total Domestic Supply	**207.8**	**207.2**	**224.7**	**224.6**	**242.6**	**224.5**	**259.8**	**296.5**	**333.6**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
57.5	48.3	40.7	40.6	53.0	56.7	64.0	70.6	66.2	60.5	52.7	45.5
282.3	320.7	327.0	343.5	353.2	363.1	368.3	376.6	383.7	390.8	398.1	405.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
339.8	**369.0**	**367.7**	**384.1**	**406.2**	**419.8**	**432.2**	**447.2**	**449.8**	**451.3**	**450.8**	**450.7**
10.5	8.1	6.6	6.3	11.0	13.1	10.4	11.5	10.9	10.1	9.4	8.5
5.3	4.7	3.8	4.1	7.6	9.0	12.3	14.0	13.6	12.8	11.5	10.3
41.0	42.3	43.2	45.7	52.1	55.9	60.8	66.3	68.5	69.6	69.9	70.3
62.5	63.5	64.6	69.2	68.9	71.9	77.7	82.9	86.1	88.7	91.2	94.9
8.7	9.5	9.9	10.5	11.2	12.2	12.7	13.2	13.6	14.0	14.5	14.9
128.0	**128.1**	**128.1**	**135.8**	**150.7**	**162.1**	**173.9**	**188.0**	**192.6**	**195.3**	**196.5**	**198.9**
211.8	**240.9**	**239.6**	**248.3**	**255.5**	**257.7**	**258.3**	**259.2**	**257.2**	**256.0**	**254.3**	**251.8**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
57.8	45.6	38.0	36.4	47.7	52.1	48.0	43.2	39.2	35.0	31.2	27.1
284.0	323.0	329.7	344.1	351.2	358.8	362.8	366.1	364.1	361.9	359.8	356.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
341.8	**368.5**	**367.7**	**380.6**	**399.0**	**410.9**	**410.7**	**409.3**	**403.3**	**397.0**	**391.0**	**383.3**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
39.3	34.0	28.3	24.3	20.4	18.0	16.2	14.8	12.3	10.8
412.6	420.0	427.4	434.8	442.2	449.4	456.6	463.2	469.2	474.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
451.9	**454.0**	**455.8**	**459.1**	**462.5**	**467.4**	**472.8**	**478.0**	**481.5**	**485.4**
7.6	6.4	5.2	4.4	3.6	3.2	3.0	2.8	2.5	2.3
9.0	7.6	6.3	5.3	4.5	3.9	3.5	3.1	2.7	2.5
70.5	70.9	71.2	71.9	72.9	74.8	76.5	78.0	79.5	81.3
98.4	100.6	102.9	104.7	106.3	108.0	109.6	110.9	112.3	113.8
15.3	15.7	16.1	16.5	16.9	17.2	17.6	18.0	18.3	18.6
200.8	**201.3**	**201.8**	**202.8**	**204.1**	**207.1**	**210.1**	**212.8**	**215.4**	**218.5**
251.1	**252.7**	**254.0**	**256.4**	**258.4**	**260.4**	**262.7**	**265.3**	**266.1**	**266.9**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
23.6	20.6	16.9	14.5	12.0	10.9	10.1	9.6	7.9	10.8
353.0	350.0	347.0	346.2	344.7	343.4	343.4	343.6	343.8	344.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
376.6	**370.5**	**363.9**	**360.7**	**356.7**	**354.2**	**353.5**	**353.2**	**351.7**	**354.9**

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Disposition of Domestic Supply									
Atlantic	2.5	4.7	8.8	10.2	6.6	8.8	8.0	13.2	12.9
Quebec	0.3	1.8	4.2	7.8	8.6	5.8	4.5	6.8	6.5
Ontario	27.5	31.8	35.0	34.0	34.8	29.2	30.3	37.8	36.5
Alberta	59.7	56.9	58.6	54.0	62.4	62.2	60.1	62.3	61.6
Other Provinces	9.1	9.4	9.0	8.9	8.8	8.2	8.7	7.0	7.8
Total Canada	**99.0**	**104.5**	**115.5**	**114.9**	**121.1**	**114.3**	**111.6**	**127.0**	**125.3**
Exports	**108.8**	**102.8**	**109.2**	**109.7**	**121.5**	**110.2**	**124.1**	**169.5**	**208.3**

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Light Crude Oil and Equivalent									
Domestic Supply									
Actual Production and Productive Capacity									
East Coast	24.6	25.8	47.7	55.6	51.8	50.4	52.5	70.3	70.2
W. Canada	184.7	182.1	188.6	194.3	204.7	189.3	207.4	228.1	265.2
Inventory -Build/+Draw	-1.4	-0.7	-11.6	-25.2	-13.8	-15.3	0.0	0.0	0.0
Total Domestic Supply	**207.8**	**207.2**	**224.7**	**224.6**	**242.6**	**224.5**	**259.9**	**298.4**	**335.4**
Disposition of Domestic Supply	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Atlantic	2.5	4.7	8.8	10.2	6.6	8.8	8.0	13.7	13.4
Quebec	0.3	1.8	4.2	7.8	8.6	5.8	4.5	7.1	6.8
Ontario	27.5	31.8	35.0	34.0	34.8	29.2	30.3	40.3	38.9
Alberta	59.7	56.9	58.6	54.0	62.4	62.2	60.1	62.8	62.3
Other Provinces	9.1	9.4	9.0	8.9	8.8	8.2	8.7	7.0	7.8
Total Canada	**99.0**	**104.5**	**115.5**	**114.9**	**121.1**	**114.3**	**111.6**	**130.7**	**129.1**
Exports	**108.8**	**102.8**	**109.2**	**109.7**	**121.5**	**110.2**	**124.1**	**167.7**	**206.3**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
10.5	7.6	6.2	5.7	9.9	12.1	7.8	7.1	6.4	5.9	5.6	5.1
5.3	4.5	3.6	3.6	6.8	8.3	9.2	8.6	8.0	7.4	6.8	6.1
34.1	31.9	31.3	31.7	37.0	40.0	40.9	42.1	42.8	43.3	44.1	44.9
59.4	58.9	58.7	60.4	58.6	60.4	63.0	64.7	65.3	65.2	65.2	65.2
8.8	9.6	10.0	10.5	11.1	11.4	11.5	11.6	11.4	11.3	11.1	10.9
118.2	**112.4**	**109.7**	**111.9**	**123.4**	**132.2**	**132.4**	**134.0**	**134.0**	**133.0**	**132.7**	**132.2**
223.6	**256.1**	**258.0**	**268.6**	**275.6**	**278.7**	**278.4**	**275.3**	**269.4**	**263.9**	**258.3**	**251.1**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
65.4	64.8	56.4	56.0	66.7	74.9	98.8	94.7	115.8	108.9	102.3	104.8
282.9	321.8	333.5	353.7	367.1	378.4	397.1	416.2	440.8	461.9	474.6	487.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
348.3	**386.5**	**389.9**	**409.7**	**433.8**	**453.3**	**495.9**	**510.8**	**556.6**	**570.8**	**576.9**	**591.7**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
11.9	10.8	9.2	8.7	13.8	17.3	16.1	15.5	19.0	18.2	18.3	19.6
6.1	6.3	5.3	5.6	9.5	11.9	19.0	18.8	23.7	23.1	22.3	23.7
36.6	35.9	34.6	35.5	41.0	44.8	52.1	52.4	59.3	58.7	58.7	61.2
60.5	60.4	61.6	62.0	65.5	68.6	74.7	79.8	82.9	85.9	88.9	93.4
8.7	9.5	10.2	11.1	12.0	13.1	14.4	15.3	16.4	17.5	18.3	19.1
123.8	**123.0**	**120.9**	**122.9**	**141.8**	**155.8**	**176.2**	**181.8**	**201.5**	**203.5**	**206.5**	**217.0**
224.5	**263.5**	**269.0**	**286.8**	**292.0**	**297.5**	**319.7**	**329.0**	**355.1**	**367.4**	**370.3**	**374.7**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4.6	3.9	3.1	2.6	2.1	1.9	1.8	1.8	1.6	2.3
5.4	4.6	3.8	3.2	2.6	2.3	2.2	2.0	1.8	2.5
45.4	45.4	45.2	45.5	45.8	46.9	47.6	48.1	48.4	50.3
65.2	65.3	65.4	65.6	65.8	66.1	66.4	66.6	66.9	67.3
10.7	10.5	10.3	10.2	10.1	10.0	9.9	9.9	9.9	9.9
131.2	**129.7**	**127.8**	**127.1**	**126.4**	**127.3**	**128.0**	**128.4**	**128.6**	**132.3**
245.4	**240.9**	**236.1**	**233.6**	**230.3**	**227.0**	**225.6**	**224.8**	**223.1**	**222.6**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
97.1	87.1	78.5	67.1	58.5	51.3	45.0	41.0	36.2	32.4
499.5	511.9	524.1	532.7	540.7	549.0	557.5	565.1	572.8	580.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
596.6	**599.0**	**602.6**	**599.8**	**599.2**	**600.3**	**602.6**	**606.1**	**609.0**	**613.2**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
18.8	16.5	14.5	12.2	10.4	9.1	8.2	7.7	7.3	7.0
22.1	19.5	17.5	14.7	12.8	11.0	9.6	8.6	8.1	7.5
60.0	57.1	54.9	51.9	50.0	48.8	47.8	47.0	46.9	46.9
97.5	99.9	102.5	104.6	106.5	108.4	110.3	112.1	113.8	115.6
19.8	20.6	21.3	21.9	22.4	22.9	23.5	24.0	24.5	25.0
218.2	**213.6**	**210.7**	**205.3**	**202.1**	**200.3**	**199.4**	**199.3**	**200.6**	**201.9**
378.4	**385.5**	**391.9**	**394.5**	**397.0**	**400.0**	**403.1**	**406.7**	**408.4**	**411.3**

Table A3.9 Supply and Disposition of Heavy Domestic Crude Oil and Equivalent - Canada

Reference Case and Continuing Trends

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Heavy Crude Oil									
Domestic Supply									
Actual Production and Productive Capacity	133.4	139.9	135.4	141.9	147.8	153.0	160.5	173.4	162.9
Inventory -Build/+Draw	8.4	8.2	16.4	23.6	25.9	28.0	36.3	0.0	0.0
Total Domestic Supply	**141.8**	**148.0**	**151.7**	**165.5**	**173.7**	**181.0**	**196.8**	**173.4**	**162.9**
Disposition of Domestic Supply									
Atlantic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	12.7	12.5	12.3	10.5	12.3	9.2	9.7	10.4	9.6
Alberta	7.3	7.4	7.7	8.3	7.7	8.0	8.9	7.0	7.0
Other Provinces	10.7	10.1	9.8	12.2	14.8	14.6	16.2	13.1	13.7
Total Canada	**30.7**	**29.9**	**29.9**	**31.1**	**34.8**	**31.8**	**34.8**	**30.6**	**30.3**
Exports	**111.1**	**118.1**	**121.9**	**134.5**	**138.8**	**149.2**	**162.0**	**142.8**	**132.6**

Triple E

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Heavy Crude Oil									
Domestic Supply									
Actual Production and Productive Capacity	133.4	139.9	135.4	141.9	147.8	153.0	161.7	174.4	163.9
Inventory -Build/+Draw	8.4	8.2	16.4	23.6	25.9	28.0	35.2	0.0	0.0
Total Domestic Supply	**141.8**	**148.0**	**151.7**	**165.5**	**173.7**	**181.0**	**196.8**	**174.4**	**163.9**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
177.4	163.8	171.6	174.3	186.1	206.2	216.3	221.6	226.3	231.2	236.5	241.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.4	**163.8**	**171.6**	**174.3**	**186.1**	**206.2**	**216.3**	**221.6**	**226.3**	**231.2**	**236.5**	**241.2**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
14.3	14.8	15.0	15.4	15.8	16.3	16.5	16.7	16.9	17.1	17.3	17.4
35.2	**35.9**	**35.9**	**36.3**	**36.7**	**37.2**	**37.5**	**37.7**	**37.9**	**38.0**	**38.2**	**38.4**
142.2	**128.0**	**135.7**	**138.0**	**149.4**	**169.0**	**178.9**	**183.9**	**188.4**	**193.1**	**198.3**	**202.8**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
178.4	164.7	171.8	173.5	184.0	184.8	184.8	184.6	181.7	178.6	175.7	172.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178.4	**164.7**	**171.8**	**173.5**	**184.0**	**184.8**	**184.8**	**184.6**	**181.7**	**178.6**	**175.7**	**172.4**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
245.8	250.3	253.7	256.9	259.8	262.4	265.1	267.9	270.8	273.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245.8	**250.3**	**253.7**	**256.9**	**259.8**	**262.4**	**265.1**	**267.9**	**270.8**	**273.7**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
17.6	17.8	17.9	18.1	18.2	18.3	18.5	18.6	18.7	18.8
38.6	**38.7**	**38.9**	**39.0**	**39.2**	**39.3**	**39.4**	**39.6**	**39.7**	**39.8**
207.3	**211.5**	**214.8**	**217.8**	**220.6**	**223.1**	**225.6**	**228.3**	**231.1**	**233.9**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
169.2	166.1	163.2	161.2	159.2	157.3	156.2	155.2	154.3	153.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.2	**166.1**	**163.2**	**161.2**	**159.2**	**157.3**	**156.2**	**155.2**	**154.3**	**153.5**

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Disposition of Domestic Supply									
Atlantic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	12.7	12.5	12.3	10.5	12.3	9.2	9.7	10.4	9.6
Alberta	7.3	7.4	7.7	8.3	7.7	8.0	8.9	7.0	7.0
Other Provinces	10.7	10.1	9.8	12.2	14.8	14.6	16.2	13.2	13.7
Total Canada	**30.7**	**29.9**	**29.9**	**31.1**	**34.8**	**31.8**	**34.8**	**30.6**	**30.4**
Exports	**111.1**	**118.1**	**121.9**	**134.5**	**138.8**	**149.2**	**162.0**	**143.8**	**133.5**

Fortified Islands

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Heavy Crude Oil									
Domestic Supply									
Actual Production and Productive Capacity	133.4	139.9	135.4	141.9	147.8	153.0	161.7	174.3	164.0
Inventory -Build/+Draw	8.4	8.2	16.4	23.6	25.9	28.0	35.2	0.0	0.0
Total Domestic Supply	**141.8**	**148.0**	**151.7**	**165.5**	**173.7**	**181.0**	**196.8**	**174.3**	**164.0**
Disposition of Domestic Supply									
Atlantic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	12.7	12.5	12.3	10.5	12.3	9.2	9.7	10.4	9.6
Alberta	7.3	7.4	7.7	8.3	7.7	8.0	8.9	7.0	7.0
Other Provinces	10.7	10.1	9.8	12.2	14.8	14.6	16.2	13.1	13.7
Total Canada	**30.7**	**29.9**	**29.9**	**31.1**	**34.8**	**31.8**	**34.8**	**30.6**	**30.4**
Exports	**111.1**	**118.1**	**121.9**	**134.5**	**138.8**	**149.2**	**162.0**	**143.7**	**133.6**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
14.4	14.8	15.1	15.4	15.7	15.8	15.9	15.9	15.9	15.8	15.7	15.6
35.3	**35.9**	**36.0**	**36.3**	**36.7**	**36.8**	**36.9**	**36.9**	**36.8**	**36.7**	**36.7**	**36.5**
143.1	**128.8**	**135.8**	**137.1**	**147.3**	**148.0**	**147.9**	**147.7**	**144.9**	**141.9**	**139.1**	**135.8**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
178.8	165.7	176.1	180.7	194.9	218.0	237.1	242.2	248.8	257.2	266.2	273.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178.8	**165.7**	**176.1**	**180.7**	**194.9**	**218.0**	**237.1**	**242.2**	**248.8**	**257.2**	**266.2**	**273.9**

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8
9.8	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
14.3	14.8	15.2	15.7	16.1	16.7	17.3	17.6	18.0	18.4	18.7	19.0
35.3	**35.9**	**36.1**	**36.6**	**37.1**	**37.7**	**42.1**	**42.4**	**42.9**	**43.2**	**43.5**	**43.8**
143.6	**129.8**	**140.0**	**144.1**	**157.7**	**180.3**	**195.0**	**199.8**	**205.9**	**214.0**	**222.6**	**230.1**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
15.5	15.3	15.2	15.2	15.1	15.1	15.1	15.0	15.0	15.0
36.4	**36.3**	**36.2**	**36.2**	**36.1**	**36.0**	**36.0**	**36.0**	**36.0**	**36.0**
132.7	**129.8**	**127.0**	**125.0**	**123.1**	**121.3**	**120.2**	**119.2**	**118.3**	**117.5**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
281.6	289.1	296.6	303.9	308.5	313.2	318.0	322.9	327.9	333.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
281.6	**289.1**	**296.6**	**303.9**	**308.5**	**313.2**	**318.0**	**322.9**	**327.9**	**333.0**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
19.2	19.5	19.7	19.9	20.0	20.2	20.3	20.4	20.6	20.7
44.0	**44.3**	**44.5**	**44.7**	**44.8**	**45.0**	**45.1**	**45.2**	**45.4**	**45.5**
237.5	**244.9**	**252.1**	**259.2**	**263.6**	**268.2**	**272.9**	**277.6**	**282.5**	**287.5**

Table A3.10: Ethane Supply, Demand and Potential Exports

Reference Case & Continuing Trends (thousand cubic metres per day)	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Total Supply	**38.26**	**37.44**	**39.62**	**37.65**	**40.19**	**39.63**	**40.39**	**37.22**	**36.80**
British Columbia	1.10	2.73	3.25	3.05	2.60	2.65	2.52	2.52	2.52
Alberta (1)	37.16	34.71	36.37	34.60	37.59	36.99	37.87	34.70	34.29
Saskatchewan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nova Scotia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demand	**36.06**	**37.41**	**39.62**	**39.52**	**39.68**	**40.14**	**40.36**	**39.69**	**38.15**
Potential Exports	**2.20**	**0.03**	**0.00**	**-1.87**	**0.51**	**-0.51**	**0.03**	**-2.47**	**-1.35**

Triple E	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Total Supply	**38.26**	**37.44**	**39.62**	**37.65**	**40.19**	**39.63**	**40.40**	**37.44**	**37.81**
British Columbia	1.10	2.73	3.25	3.05	2.60	2.65	2.52	2.52	2.52
Alberta (1)	37.16	34.71	36.37	34.60	37.59	36.99	37.89	34.93	35.29
Saskatchewan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nova Scotia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demand	**36.06**	**37.41**	**39.62**	**39.52**	**39.68**	**40.14**	**40.36**	**39.69**	**38.15**
Potential Exports	**2.20**	**0.03**	**0.00**	**-1.87**	**0.51**	**-0.51**	**0.04**	**-2.24**	**-0.34**

Fortified Island	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Total Supply	**38.26**	**37.44**	**39.62**	**37.65**	**40.19**	**39.63**	**40.19**	**36.92**	**36.87**
British Columbia	1.10	2.73	3.25	3.05	2.60	2.65	2.52	2.52	2.52
Alberta (1)	37.16	34.71	36.37	34.60	37.59	36.99	37.67	34.41	34.36
Saskatchewan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nova Scotia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demand	**36.06**	**37.41**	**39.62**	**39.52**	**39.68**	**40.14**	**40.36**	**40.08**	**39.06**
Potential Exports	**2.20**	**0.03**	**0.00**	**-1.87**	**0.51**	**-0.51**	**-0.17**	**-3.16**	**-2.19**

Note: (1) Alberta volume includes incremental supply from oil sand off-gas and enhanced deep-cut straddle plant capacity expansions.

(2) Frontier refers to the liquids associated with Mackenzie Delta gas.

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
37.20	**41.64**	**46.16**	**45.51**	**44.69**	**43.72**	**46.86**	**46.30**	**44.71**	**43.08**	**43.72**	**41.53**
2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.48	2.45	2.41	2.38	2.34
34.69	39.13	43.65	42.99	42.17	41.20	42.24	40.67	39.11	37.52	38.19	36.04
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	2.10	3.15	3.15	3.15	3.15	3.15
38.47	**38.67**	**38.84**	**39.10**	**39.39**	**39.68**	**39.97**	**40.26**	**40.14**	**40.45**	**40.76**	**41.08**
-1.27	**2.97**	**7.32**	**6.40**	**5.30**	**4.04**	**6.89**	**6.05**	**4.57**	**2.63**	**2.96**	**0.45**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
39.19	**44.16**	**48.00**	**46.07**	**43.87**	**41.88**	**41.61**	**37.39**	**33.57**	**30.16**	**29.60**	**27.16**
2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.37	2.22	2.09	1.97	1.85
36.68	41.64	45.49	43.56	41.35	39.36	39.09	35.03	31.34	28.07	27.64	25.32
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.47	**38.67**	**38.84**	**39.10**	**39.39**	**39.68**	**39.97**	**40.26**	**40.14**	**40.45**	**40.76**	**41.08**
0.72	**5.49**	**9.16**	**6.97**	**4.48**	**2.20**	**1.64**	**-2.86**	**-6.58**	**-10.30**	**-11.16**	**-13.92**

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
38.50	**43.67**	**48.94**	**49.05**	**48.94**	**48.74**	**52.37**	**56.29**	**55.97**	**55.39**	**56.93**	**57.39**
2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.56	2.60	2.64	2.69	2.64
35.98	41.15	46.42	46.54	46.43	46.22	47.75	50.58	50.22	49.59	51.09	49.75
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	2.10	3.15	3.15	3.15	3.15	4.99
40.77	**40.97**	**41.68**	**41.97**	**41.76**	**41.31**	**41.85**	**41.47**	**41.57**	**41.88**	**42.19**	**42.51**
-2.27	**2.70**	**7.25**	**7.08**	**7.18**	**7.43**	**10.52**	**14.82**	**14.39**	**13.50**	**14.73**	**14.88**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
39.76	**38.11**	**36.57**	**35.21**	**35.53**	**34.19**	**33.11**	**32.16**	**31.36**	**30.67**
2.31	2.28	2.25	2.22	2.19	2.15	2.12	2.09	2.07	2.04
34.30	32.68	31.17	29.85	28.36	27.04	26.00	25.08	24.31	23.64
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.15	3.15	3.15	3.15	4.99	4.99	4.99	4.99	4.99	4.99
41.40	**41.72**	**42.04**	**42.37**	**42.69**	**43.02**	**43.36**	**43.69**	**44.03**	**44.37**
-1.64	**-3.60**	**-5.47**	**-7.15**	**-7.17**	**-8.84**	**-10.24**	**-11.53**	**-12.67**	**-13.71**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
25.92	**25.14**	**24.63**	**24.22**	**23.62**	**23.04**	**22.58**	**22.13**	**21.71**	**21.29**
1.74	1.69	1.64	1.59	1.47	1.36	1.25	1.15	1.07	0.98
24.18	23.45	22.99	22.63	22.15	21.68	21.33	20.98	20.64	20.31
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.40	**41.72**	**42.04**	**42.37**	**42.69**	**43.02**	**43.36**	**43.69**	**44.03**	**44.37**
-15.48	**-16.58**	**-17.41**	**-18.15**	**-19.07**	**-19.98**	**-20.78**	**-21.56**	**-22.32**	**-23.08**

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
55.52	**60.30**	**59.15**	**57.93**	**57.55**	**56.05**	**54.77**	**53.56**	**52.18**	**50.90**
2.60	2.69	2.77	2.86	2.80	2.73	2.66	2.60	2.54	2.48
47.94	52.63	51.38	50.08	48.46	47.02	45.81	44.66	43.35	42.13
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.99	4.99	4.99	4.99	6.30	6.30	6.30	6.30	6.30	6.30
42.83	**43.15**	**43.47**	**43.80**	**44.12**	**44.46**	**44.79**	**45.12**	**45.46**	**45.80**
12.70	**17.16**	**15.67**	**14.13**	**13.43**	**11.59**	**9.99**	**8.44**	**6.72**	**5.10**

Table A3.11: Propane Supply, Demand and Potential Exports

Reference Case & Continuing Trends (thousand cubic metres per day)	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Total Supply	**35.42**	**32.25**	**32.31**	**32.57**	**32.18**	**29.81**	**29.52**	**28.74**	**28.14**
British Columbia	1.35	1.25	1.00	0.99	0.96	1.49	1.56	1.51	1.44
Alberta (1)	28.42	25.25	25.98	26.08	26.01	23.49	23.62	22.71	22.22
Saskatchewan	0.45	0.45	0.42	0.39	0.40	0.35	0.37	0.35	0.33
Nova Scotia	0.12	0.52	0.67	0.66	0.51	0.58	0.47	0.67	0.62
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refinery	5.09	4.77	4.25	4.45	4.30	3.90	3.50	3.51	3.52
Demand	**9.49**	**9.19**	**9.42**	**8.98**	**9.81**	**12.19**	**13.05**	**12.99**	**13.38**
Potential Exports	**25.93**	**23.06**	**22.89**	**23.60**	**22.38**	**17.62**	**16.46**	**15.75**	**14.75**

Triple E	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Total Supply	**35.42**	**32.25**	**32.31**	**32.57**	**32.18**	**29.81**	**30.43**	**29.62**	**28.96**
British Columbia	1.35	1.25	1.00	0.99	0.96	1.49	1.59	1.53	1.47
Alberta (1)	28.42	25.25	25.98	26.08	26.01	23.49	24.52	23.58	23.04
Saskatchewan	0.45	0.45	0.42	0.39	0.40	0.35	0.35	0.33	0.31
Nova Scotia	0.12	0.52	0.67	0.66	0.51	0.58	0.47	0.67	0.62
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refinery	5.09	4.77	4.25	4.45	4.30	3.90	3.50	3.50	3.51
Demand	**9.49**	**9.19**	**9.42**	**8.98**	**9.81**	**12.19**	**12.95**	**12.78**	**13.07**
Potential Exports	**25.93**	**23.06**	**22.89**	**23.60**	**22.38**	**17.62**	**17.48**	**16.83**	**15.88**

Fortified Island	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Total Supply	**35.42**	**32.25**	**32.31**	**32.57**	**32.18**	**29.81**	**30.14**	**29.35**	**29.15**
British Columbia	1.35	1.25	1.00	0.99	0.96	1.49	1.60	1.55	1.51
Alberta (1)	28.42	25.25	25.98	26.08	26.01	23.49	24.21	23.28	23.15
Saskatchewan	0.45	0.45	0.42	0.39	0.40	0.35	0.35	0.33	0.32
Nova Scotia	0.12	0.52	0.67	0.66	0.51	0.58	0.47	0.67	0.62
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refinery	5.09	4.77	4.25	4.45	4.30	3.90	3.50	3.52	3.54
Demand	**9.49**	**9.19**	**9.42**	**8.98**	**9.81**	**12.19**	**12.98**	**12.84**	**13.16**
Potential Exports	**25.93**	**23.06**	**22.89**	**23.60**	**22.38**	**17.62**	**17.15**	**16.51**	**15.98**

Note: (1) Alberta volume includes incremental supply from oil sand off-gas and enhanced deep-cut straddle plant capacity expansions.
(2) Frontier refers to the liquids associated with Mackenzie Delta gas.

2009	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
28.16	**28.20**	**28.29**	**27.79**	**27.31**	**26.85**	**28.77**	**28.46**	**27.46**	**26.31**	**26.15**	**24.87**
1.46	1.49	1.48	1.47	1.45	1.44	1.42	1.40	1.37	1.34	1.31	1.28
22.27	22.20	22.45	22.05	21.64	21.25	21.75	20.78	19.83	18.74	18.62	17.42
0.33	0.34	0.33	0.33	0.32	0.32	0.32	0.30	0.28	0.26	0.25	0.23
0.57	0.62	0.46	0.37	0.30	0.24	0.19	0.16	0.13	0.11	0.10	0.05
0.00	0.00	0.00	0.00	0.00	0.00	1.46	2.19	2.19	2.19	2.19	2.19
3.54	3.55	3.57	3.58	3.60	3.61	3.62	3.64	3.65	3.67	3.68	3.70
13.59	**13.93**	**14.10**	**14.27**	**14.43**	**14.58**	**14.77**	**14.92**	**15.07**	**15.24**	**15.42**	**15.60**
14.57	**14.27**	**14.19**	**13.52**	**12.88**	**12.27**	**13.99**	**13.54**	**12.39**	**11.07**	**10.72**	**9.27**

2009	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
28.95	**28.96**	**29.08**	**28.65**	**28.22**	**27.83**	**28.36**	**26.59**	**24.82**	**22.68**	**21.51**	**19.52**
1.49	1.52	1.51	1.48	1.45	1.42	1.39	1.34	1.30	1.25	1.19	1.13
23.06	22.98	23.27	22.94	22.60	22.30	22.90	21.20	19.50	17.43	16.32	14.41
0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
0.57	0.62	0.46	0.37	0.30	0.24	0.19	0.16	0.13	0.11	0.10	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.52	3.52	3.53	3.54	3.55	3.55	3.56	3.57	3.57	3.58	3.59	3.60
13.17	**13.40**	**13.46**	**13.52**	**13.56**	**13.60**	**13.67**	**13.69**	**13.71**	**13.76**	**13.81**	**13.86**
15.78	**15.56**	**15.62**	**15.13**	**14.66**	**14.23**	**14.70**	**12.90**	**11.11**	**8.92**	**7.70**	**5.65**

2009	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
29.59	**30.05**	**30.54**	**30.44**	**30.33**	**30.25**	**32.53**	**34.22**	**33.61**	**32.80**	**32.93**	**33.86**
1.56	1.63	1.66	1.68	1.70	1.72	1.74	1.75	1.75	1.75	1.75	1.74
23.58	23.88	24.49	24.43	24.36	24.30	25.12	26.11	25.50	24.71	24.85	23.88
0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.31	0.30	0.28	0.27	0.25
0.56	0.62	0.46	0.37	0.30	0.24	0.19	0.16	0.13	0.11	0.10	0.73
0.00	0.00	0.00	0.00	0.00	0.00	1.46	2.19	2.19	2.19	2.19	3.47
3.56	3.58	3.60	3.62	3.65	3.67	3.69	3.71	3.73	3.76	3.78	3.80
13.29	**13.55**	**13.65**	**13.73**	**13.81**	**13.88**	**13.98**	**14.08**	**14.17**	**14.26**	**14.34**	**14.43**
16.30	**16.49**	**16.90**	**16.70**	**16.53**	**16.37**	**18.55**	**20.15**	**19.43**	**18.54**	**18.59**	**19.44**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
23.49	**22.40**	**21.30**	**20.30**	**20.49**	**19.50**	**18.67**	**17.93**	**17.29**	**16.75**
1.21	1.23	1.26	1.29	1.27	1.24	1.21	1.17	1.10	1.03
16.13	15.02	13.90	12.87	11.81	10.85	10.05	9.34	8.76	8.29
0.20	0.18	0.16	0.13	0.12	0.10	0.09	0.08	0.08	0.07
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2.19	2.19	2.19	2.19	3.47	3.47	3.47	3.47	3.47	3.47
3.71	3.73	3.74	3.76	3.77	3.79	3.80	3.82	3.83	3.85
15.79	**15.97**	**16.16**	**16.35**	**16.55**	**16.75**	**16.95**	**17.15**	**17.35**	**17.56**
7.71	**6.43**	**5.14**	**3.94**	**3.94**	**2.75**	**1.73**	**0.78**	**-0.06**	**-0.82**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
17.87	**17.03**	**16.42**	**16.00**	**15.45**	**14.93**	**14.51**	**14.08**	**13.67**	**13.27**
1.04	1.04	1.03	1.03	0.98	0.91	0.85	0.77	0.68	0.56
12.87	12.04	11.48	11.10	10.63	10.19	9.86	9.51	9.20	8.92
0.31	0.28	0.24	0.19	0.16	0.13	0.10	0.09	0.07	0.06
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.60	3.61	3.62	3.62	3.63	3.64	3.65	3.65	3.66	3.67
13.91	**13.97**	**14.02**	**14.07**	**14.12**	**14.17**	**14.23**	**14.28**	**14.33**	**14.38**
3.96	**3.06**	**2.41**	**1.93**	**1.33**	**0.75**	**0.29**	**-0.20**	**-0.67**	**-1.12**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
32.62	**31.68**	**31.33**	**30.33**	**30.04**	**28.82**	**27.73**	**27.28**	**26.22**	**25.25**
1.68	1.74	1.81	1.87	1.88	1.86	1.84	1.80	1.73	1.62
22.69	21.69	20.60	19.53	18.32	17.12	16.03	14.98	14.04	13.21
0.23	0.21	0.18	0.16	0.14	0.12	0.11	0.09	0.08	0.07
0.73	0.73	1.40	1.40	1.40	1.40	1.40	2.04	1.98	1.93
3.47	3.47	3.47	3.47	4.38	4.38	4.38	4.38	4.38	4.38
3.82	3.85	3.87	3.89	3.92	3.94	3.96	3.99	4.01	4.04
14.51	**14.60**	**14.68**	**14.77**	**14.86**	**14.95**	**15.04**	**15.13**	**15.22**	**15.31**
18.10	**17.08**	**16.64**	**15.55**	**15.18**	**13.87**	**12.69**	**12.16**	**11.01**	**9.94**

Table A3.12: Butane Supply, Demand and Potential Exports

Reference Case & Continuing Trends (thousand cubic metres per day)	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Supply	**28.06**	**25.23**	**26.01**	**24.29**	**23.89**	**23.39**	**23.19**	**22.76**	**22.35**
British Columbia	0.94	0.88	0.80	0.81	0.83	1.00	1.04	1.01	0.96
Alberta (1)	16.48	14.50	16.16	14.88	14.69	13.97	14.05	13.50	13.15
Saskatchewan	0.25	0.24	0.25	0.24	0.25	0.28	0.29	0.28	0.27
Nova Scotia	0.11	0.37	0.44	0.43	0.37	0.44	0.36	0.51	0.48
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refinery	10.27	9.24	8.36	7.93	7.76	7.69	7.44	7.47	7.50
Demand	**21.63**	**19.66**	**19.91**	**19.88**	**19.67**	**18.91**	**19.06**	**17.97**	**18.39**
Potential Exports	**6.43**	**5.57**	**6.10**	**4.41**	**4.22**	**4.47**	**4.12**	**4.80**	**3.96**

Triple E	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Supply	**28.06**	**25.23**	**26.01**	**24.29**	**23.89**	**23.39**	**23.76**	**23.30**	**22.84**
British Columbia	0.94	0.88	0.80	0.81	0.83	1.00	1.00	0.97	0.93
Alberta (1)	16.48	14.50	16.16	14.88	14.69	13.98	14.65	14.08	13.70
Saskatchewan	0.25	0.24	0.25	0.24	0.25	0.28	0.30	0.29	0.27
Nova Scotia	0.11	0.37	0.44	0.43	0.37	0.44	0.36	0.51	0.48
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refinery	10.27	9.24	8.36	7.93	7.76	7.69	7.44	7.46	7.47
Demand	**21.63**	**19.66**	**19.91**	**19.88**	**19.67**	**18.91**	**19.06**	**17.77**	**18.00**
Potential Exports	**6.43**	**5.57**	**6.10**	**4.41**	**4.22**	**4.48**	**4.70**	**5.53**	**4.85**

Fortified Island	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Supply	**28.06**	**25.23**	**26.01**	**24.29**	**23.89**	**23.39**	**23.20**	**22.79**	**22.64**
British Columbia	0.94	0.88	0.80	0.81	0.83	1.00	1.04	1.01	0.98
Alberta (1)	16.48	14.50	16.16	14.88	14.69	13.97	14.05	13.50	13.37
Saskatchewan	0.25	0.24	0.25	0.24	0.25	0.28	0.30	0.29	0.28
Nova Scotia	0.11	0.37	0.44	0.43	0.37	0.44	0.36	0.51	0.47
Frontier (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refinery	10.27	9.24	8.36	7.93	7.76	7.69	7.44	7.49	7.53
Demand	**21.63**	**19.66**	**19.91**	**19.88**	**19.67**	**18.91**	**19.06**	**17.88**	**18.22**
Potential Exports	**6.43**	**5.57**	**6.10**	**4.41**	**4.22**	**4.47**	**4.13**	**4.91**	**4.41**

Note: (1) Alberta volume includes incremental supply from oil sand off-gas and enhanced deep-cut straddle plant capacity expansions.
(2) Frontier refers to the liquids associated with Mackenzie Delta gas.

2009	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
22.31	**22.35**	**22.42**	**22.13**	**21.85**	**21.58**	**22.35**	**22.10**	**21.51**	**20.83**	**20.80**	**20.04**
0.97	0.99	0.99	0.98	0.97	0.96	0.95	0.93	0.91	0.90	0.88	0.85
13.11	13.06	13.23	12.98	12.74	12.50	12.56	11.97	11.40	10.74	10.72	10.00
0.27	0.27	0.27	0.27	0.26	0.26	0.25	0.24	0.23	0.21	0.20	0.18
0.43	0.47	0.35	0.28	0.23	0.18	0.15	0.12	0.10	0.09	0.07	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.73	1.10	1.10	1.10	1.10	1.10
7.53	7.56	7.59	7.62	7.65	7.68	7.71	7.74	7.77	7.81	7.84	7.87
18.83	**19.14**	**19.29**	**19.43**	**19.57**	**16.99**	**14.44**	**14.56**	**14.69**	**14.84**	**14.99**	**15.15**
3.49	**3.21**	**3.13**	**2.70**	**2.28**	**4.59**	**7.92**	**7.54**	**6.82**	**5.99**	**5.81**	**4.89**

2009	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
22.77	**22.79**	**22.87**	**22.60**	**22.34**	**22.10**	**22.18**	**21.11**	**20.04**	**18.75**	**18.10**	**16.89**
0.94	0.96	0.96	0.94	0.92	0.90	0.88	0.85	0.82	0.79	0.75	0.72
13.64	13.58	13.77	13.57	13.37	13.18	13.30	12.27	11.24	9.98	9.36	8.20
0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.43	0.47	0.35	0.28	0.23	0.18	0.15	0.12	0.10	0.09	0.07	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.49	7.50	7.52	7.53	7.55	7.56	7.58	7.59	7.61	7.62	7.64	7.65
18.23	**18.34**	**18.29**	**18.23**	**18.16**	**18.08**	**18.02**	**17.94**	**17.85**	**17.79**	**16.96**	**16.12**
4.54	**4.45**	**4.58**	**4.37**	**4.18**	**4.02**	**4.16**	**3.17**	**2.19**	**0.95**	**1.14**	**0.77**

2009	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
22.87	**23.17**	**23.50**	**23.46**	**23.42**	**23.39**	**24.40**	**24.98**	**24.64**	**24.19**	**24.37**	**24.94**
1.02	1.06	1.08	1.09	1.10	1.12	1.13	1.14	1.14	1.14	1.14	1.13
13.56	13.73	14.12	14.08	14.04	14.00	14.26	14.46	14.10	13.63	13.79	13.22
0.28	0.29	0.29	0.29	0.29	0.29	0.28	0.27	0.26	0.25	0.23	0.22
0.43	0.47	0.35	0.28	0.23	0.18	0.15	0.12	0.10	0.09	0.07	0.55
0.00	0.00	0.00	0.00	0.00	0.00	0.73	1.10	1.10	1.10	1.10	1.73
7.58	7.62	7.67	7.71	7.76	7.81	7.85	7.90	7.95	7.99	8.04	8.09
18.57	**18.80**	**18.86**	**18.91**	**18.95**	**18.98**	**19.04**	**19.09**	**19.14**	**19.19**	**19.25**	**19.30**
4.30	**4.38**	**4.65**	**4.55**	**4.47**	**4.41**	**5.36**	**5.89**	**5.50**	**5.00**	**5.12**	**5.64**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
19.22	**18.58**	**17.93**	**17.34**	**17.35**	**16.76**	**16.28**	**15.85**	**15.48**	**15.17**
0.81	0.82	0.84	0.86	0.85	0.82	0.81	0.78	0.74	0.68
9.21	8.54	7.87	7.25	6.60	6.02	5.54	5.11	4.76	4.47
0.16	0.14	0.13	0.11	0.09	0.08	0.08	0.07	0.06	0.05
0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
1.10	1.10	1.10	1.10	1.73	1.73	1.73	1.73	1.73	1.73
7.90	7.93	7.96	7.99	8.03	8.06	8.09	8.12	8.16	8.19
15.31	**15.47**	**15.63**	**15.80**	**15.97**	**16.13**	**15.54**	**14.95**	**15.13**	**15.30**
3.91	**3.11**	**2.30**	**1.54**	**1.38**	**0.63**	**0.74**	**0.90**	**0.36**	**-0.13**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
15.90	**15.39**	**15.02**	**14.76**	**14.43**	**14.11**	**13.86**	**13.60**	**13.36**	**13.12**
0.66	0.66	0.65	0.65	0.62	0.58	0.54	0.49	0.43	0.36
7.26	6.76	6.42	6.19	5.90	5.64	5.43	5.22	5.04	4.87
0.27	0.25	0.21	0.17	0.14	0.11	0.09	0.08	0.06	0.05
0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.67	7.68	7.70	7.71	7.73	7.74	7.76	7.78	7.79	7.81
16.06	**16.00**	**15.95**	**15.89**	**15.83**	**15.78**	**15.72**	**15.66**	**15.61**	**15.55**
-0.16	**-0.61**	**-0.93**	**-1.12**	**-1.40**	**-1.67**	**-1.86**	**-2.06**	**-2.25**	**-2.43**

2021	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
24.23	**23.71**	**23.65**	**23.10**	**22.87**	**22.19**	**21.57**	**21.45**	**20.85**	**20.29**
1.09	1.13	1.17	1.22	1.22	1.21	1.20	1.17	1.12	1.06
12.51	11.92	11.28	10.65	9.94	9.23	8.59	7.97	7.42	6.92
0.20	0.18	0.16	0.14	0.12	0.11	0.09	0.08	0.07	0.06
0.55	0.55	1.07	1.07	1.07	1.07	1.07	1.55	1.51	1.47
1.73	1.73	1.73	1.73	2.19	2.19	2.19	2.19	2.19	2.19
8.14	8.19	8.24	8.29	8.34	8.39	8.44	8.49	8.54	8.59
19.35	**19.41**	**19.46**	**19.52**	**19.57**	**19.63**	**19.68**	**19.74**	**19.79**	**19.85**
4.88	**4.31**	**4.19**	**3.58**	**3.30**	**2.56**	**1.89**	**1.71**	**1.05**	**0.44**

Table A3.13: Oil, Reference Case and Continuing Trends, Production Outlook by Province

(thousand cubic metres per day)	2000	2001	2002	2003	2004	2005
Canada	**343.26**	**348.84**	**372.17**	**393.02**	**404.80**	**398.81**
Conventional Light	132.32	128.08	142.02	145.37	137.39	132.94
Conventional Heavy	89.02	90.67	87.96	86.68	86.50	83.27
C5+	27.44	26.01	25.52	26.30	25.65	26.00
Synthetic Crude Oil	50.06	54.74	69.12	79.46	93.96	86.90
Bitumen	44.43	49.32	47.56	55.20	61.31	69.70
Alberta	**238.44**	**241.11**	**243.85**	**257.86**	**273.83**	**270.21**
Conventional Light	81.11	76.18	69.70	65.81	62.54	59.73
Conventional Heavy	37.77	38.01	35.18	34.04	33.08	31.07
C5+	25.08	22.86	22.30	23.35	22.94	22.81
Synthetic Crude Oil	50.06	54.74	69.12	79.46	93.96	86.90
Bitumen	44.43	49.32	47.56	55.20	61.31	69.70
British Columbia	**8.30**	**8.56**	**8.06**	**7.37**	**6.86**	**6.22**
Conventional Light	7.04	7.04	6.65	6.04	5.52	4.79
C5+	1.26	1.52	1.42	1.34	1.34	1.43
Manitoba	**1.70**	**1.76**	**1.78**	**1.73**	**1.75**	**2.21**
Conventional Light	1.70	1.76	1.78	1.73	1.75	2.21
Newfoundland and Labrador	**23.00**	**23.65**	**45.44**	**53.56**	**49.99**	**48.39**
Conventional Light	23.00	23.65	45.44	53.56	49.99	48.39
Northwest Territories	**3.92**	**3.93**	**3.77**	**3.44**	**3.27**	**3.02**
Conventional Light	3.92	3.93	3.77	3.44	3.27	3.02
C5+	0.00	0.00	0.00	0.00	0.00	0.00
Nova Scotia	**1.01**	**1.56**	**1.72**	**1.51**	**1.27**	**1.68**
C5+	1.01	1.56	1.72	1.51	1.27	1.68
Ontario	**0.63**	**0.68**	**0.61**	**0.53**	**0.43**	**0.38**
Conventional Light	0.63	0.68	0.61	0.53	0.43	0.38
Saskatchewan	**66.26**	**67.61**	**66.93**	**67.02**	**67.40**	**66.71**
Conventional Light	14.93	14.86	14.08	14.26	13.89	14.41
Conventional Heavy	51.25	52.67	52.78	52.65	53.41	52.20
C5+	0.08	0.08	0.07	0.11	0.10	0.09
Bitumen	0.00	0.00	0.00	0.00	0.00	0.00

2006	2007	2008	2009	2010	2011	2012	2013	2014
426.49	**474.88**	**500.02**	**513.15**	**528.45**	**534.71**	**553.37**	**586.81**	**620.00**
134.27	144.38	140.57	127.51	114.61	103.59	100.21	109.58	110.36
83.17	83.03	80.26	77.58	75.00	72.50	70.09	67.76	65.50
25.95	27.07	26.13	25.73	25.43	25.11	24.55	23.99	23.46
104.60	130.00	170.40	182.49	224.59	234.39	254.30	267.09	280.00
78.50	90.40	82.65	99.84	88.82	99.13	104.23	118.39	140.68
292.51	**326.70**	**354.72**	**380.00**	**407.35**	**423.88**	**445.25**	**468.71**	**500.57**
57.20	54.34	51.62	49.04	46.59	44.26	42.05	39.94	37.95
29.20	28.03	26.91	25.83	24.80	23.81	22.86	21.94	21.06
23.01	23.93	23.14	22.80	22.54	22.30	21.82	21.34	20.88
104.60	130.00	170.40	182.49	224.59	234.39	254.30	267.09	280.00
78.50	90.40	82.65	99.84	88.82	99.13	104.23	118.39	140.68
5.96	**4.79**	**4.49**	**4.18**	**3.92**	**3.66**	**3.41**	**3.19**	**2.98**
4.51	3.44	3.20	2.88	2.59	2.33	2.10	1.89	1.70
1.45	1.35	1.29	1.31	1.33	1.33	1.31	1.30	1.29
3.46	**3.84**	**4.04**	**4.10**	**3.90**	**3.71**	**3.52**	**3.34**	**3.18**
3.46	3.84	4.04	4.10	3.90	3.71	3.52	3.34	3.18
50.81	**65.39**	**65.21**	**55.81**	**46.63**	**39.14**	**39.10**	**51.64**	**55.40**
50.81	65.39	65.21	55.81	46.63	39.14	39.10	51.64	55.40
2.87	**2.72**	**2.59**	**2.46**	**2.33**	**2.22**	**2.11**	**2.00**	**1.90**
2.87	2.72	2.59	2.46	2.33	2.22	2.11	2.00	1.90
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.37	**1.57**	**1.49**	**1.42**	**1.34**	**1.28**	**1.21**	**1.15**	**1.09**
1.37	1.57	1.49	1.42	1.34	1.28	1.21	1.15	1.09
0.35	**0.34**	**0.32**	**0.30**	**0.29**	**0.27**	**0.26**	**0.25**	**0.24**
0.35	0.34	0.32	0.30	0.29	0.27	0.26	0.25	0.24
69.15	**69.53**	**67.16**	**64.88**	**62.68**	**60.56**	**58.51**	**56.54**	**54.64**
15.07	14.31	13.60	12.92	12.27	11.66	11.08	10.52	10.00
53.97	55.00	53.35	51.75	50.20	48.69	47.23	45.81	44.44
0.12	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.20
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2015	2016	2017	2018	2019	2020	2021	2022	2023
646.54	**663.39**	**669.69**	**674.90**	**678.51**	**682.09**	**686.42**	**691.78**	**695.82**
114.81	118.82	111.93	103.94	93.92	84.62	76.40	69.17	61.73
63.33	61.23	59.19	57.23	55.34	53.50	51.73	50.02	48.37
24.40	23.98	22.88	21.63	20.40	19.05	17.56	16.35	15.14
290.00	299.01	308.58	318.14	327.69	337.19	346.63	355.99	365.25
154.00	160.36	167.11	173.96	181.17	187.73	194.09	200.24	205.33
520.70	**532.40**	**544.71**	**556.89**	**569.04**	**580.98**	**592.66**	**604.33**	**614.93**
36.05	34.25	32.54	30.91	29.36	27.90	26.50	25.18	23.92
20.22	19.41	18.64	17.89	17.18	16.49	15.83	15.20	14.59
20.43	19.38	18.35	17.19	16.04	14.78	13.40	12.23	11.05
290.00	299.01	308.58	318.14	327.69	337.19	346.63	355.99	365.25
154.00	160.36	166.61	172.76	178.77	184.63	190.29	195.74	200.13
2.80	**2.63**	**2.47**	**2.32**	**2.18**	**2.05**	**1.90**	**1.84**	**1.79**
1.53	1.38	1.24	1.11	1.00	0.90	0.81	0.73	0.66
1.27	1.25	1.23	1.20	1.18	1.15	1.08	1.11	1.13
3.02	**2.87**	**2.72**	**2.59**	**2.46**	**2.34**	**2.22**	**2.11**	**2.00**
3.02	2.87	2.72	2.59	2.46	2.34	2.22	2.11	2.00
62.69	**69.38**	**65.03**	**59.45**	**51.70**	**44.57**	**38.40**	**33.11**	**27.51**
62.69	69.38	65.03	59.45	51.70	44.57	38.40	33.11	27.51
3.26	**3.90**	**3.82**	**3.73**	**3.66**	**3.58**	**3.51**	**3.45**	**3.38**
1.81	1.72	1.63	1.55	1.47	1.40	1.33	1.26	1.20
1.46	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19
1.03	**0.98**	**0.93**	**0.88**	**0.84**	**0.80**	**0.76**	**0.72**	**0.68**
1.03	0.98	0.93	0.88	0.84	0.80	0.76	0.72	0.68
0.22	**0.21**	**0.20**	**0.19**	**0.18**	**0.17**	**0.16**	**0.16**	**0.15**
0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.16	0.15
52.80	**51.02**	**49.81**	**48.85**	**48.45**	**47.61**	**46.82**	**46.07**	**45.38**
9.50	9.02	8.57	8.14	7.73	7.35	6.98	6.63	6.30
43.11	41.81	40.56	39.34	38.16	37.02	35.91	34.83	33.78
0.20	0.19	0.18	0.17	0.16	0.14	0.13	0.11	0.10
0.00	0.00	0.50	1.20	2.40	3.10	3.80	4.50	5.20

2024	2025	2026	2027	2028	2029	2030
701.32	**707.74**	**714.18**	**721.32**	**728.55**	**734.27**	**740.53**
56.02	50.46	46.58	43.31	40.57	36.74	33.97
46.77	45.23	43.74	42.30	40.91	39.56	38.26
14.03	14.13	13.04	12.13	11.30	10.59	9.98
374.38	383.36	392.18	400.81	408.82	416.18	422.84
210.12	214.56	218.64	222.77	226.96	231.19	235.48
625.28	**635.19**	**644.75**	**654.42**	**663.70**	**672.57**	**680.97**
22.72	21.58	20.51	19.48	18.51	17.58	16.70
14.00	13.44	12.91	12.39	11.89	11.42	10.96
9.96	8.84	7.82	6.97	6.22	5.60	5.09
374.38	383.36	392.18	400.81	408.82	416.18	422.84
204.22	207.96	211.34	214.77	218.26	221.79	225.38
1.75	**1.67**	**1.59**	**1.52**	**1.43**	**1.34**	**1.23**
0.59	0.53	0.48	0.43	0.39	0.35	0.31
1.15	1.14	1.11	1.08	1.04	0.99	0.92
1.90	**1.81**	**1.72**	**1.63**	**1.55**	**1.47**	**1.40**
1.90	1.81	1.72	1.63	1.55	1.47	1.40
23.54	**19.63**	**17.32**	**15.54**	**14.21**	**11.72**	**10.21**
23.54	19.63	17.32	15.54	14.21	11.72	10.21
3.32	**4.54**	**4.49**	**4.44**	**4.39**	**4.34**	**4.30**
1.14	1.08	1.03	0.98	0.93	0.88	0.84
2.19	3.46	3.46	3.46	3.46	3.46	3.46
0.65	**0.61**	**0.58**	**0.55**	**0.52**	**0.50**	**0.47**
0.65	0.61	0.58	0.55	0.52	0.50	0.47
0.14	**0.13**	**0.13**	**0.12**	**0.11**	**0.11**	**0.10**
0.14	0.13	0.13	0.12	0.11	0.11	0.10
44.74	**44.15**	**43.60**	**43.10**	**42.64**	**42.22**	**41.84**
5.98	5.69	5.40	5.13	4.87	4.63	4.40
32.77	31.79	30.83	29.91	29.01	28.14	27.30
0.08	0.07	0.07	0.06	0.05	0.05	0.04
5.90	6.60	7.30	8.00	8.70	9.40	10.10

(million barrels per day)	2000	2001	2002	2003	2004	2005
Canada	**2.163**	**2.198**	**2.345**	**2.476**	**2.550**	**2.512**
Conventional Light	0.834	0.807	0.895	0.916	0.866	0.837
Conventional Heavy	0.561	0.571	0.554	0.546	0.545	0.525
C5+	0.173	0.164	0.161	0.166	0.162	0.164
Synthetic Crude Oil	0.315	0.345	0.435	0.501	0.592	0.547
Bitumen	0.280	0.311	0.300	0.348	0.386	0.439
Alberta	**1.502**	**1.519**	**1.536**	**1.625**	**1.725**	**1.702**
Conventional Light	0.511	0.480	0.439	0.415	0.394	0.376
Conventional Heavy	0.238	0.239	0.222	0.214	0.208	0.196
C5+	0.158	0.144	0.141	0.147	0.145	0.144
Synthetic Crude Oil	0.315	0.345	0.435	0.501	0.592	0.547
Bitumen	0.280	0.311	0.300	0.348	0.386	0.439
British Columbia	**0.052**	**0.054**	**0.051**	**0.046**	**0.043**	**0.039**
Conventional Light	0.044	0.044	0.042	0.038	0.035	0.030
C5+	0.008	0.010	0.009	0.008	0.008	0.009
Manitoba	**0.011**	**0.011**	**0.011**	**0.011**	**0.011**	**0.014**
Conventional Light	0.011	0.011	0.011	0.011	0.011	0.014
Newfoundland and Labrador	**0.145**	**0.149**	**0.286**	**0.337**	**0.315**	**0.305**
Conventional Light	0.145	0.149	0.286	0.337	0.315	0.305
Northwest Territories	**0.025**	**0.025**	**0.024**	**0.022**	**0.021**	**0.019**
Conventional Light	0.025	0.025	0.024	0.022	0.021	0.019
C5+	0.000	0.000	0.000	0.000	0.000	0.000
Nova Scotia	**0.006**	**0.010**	**0.011**	**0.009**	**0.008**	**0.011**
C5+	0.006	0.010	0.011	0.009	0.008	0.011
Ontario	**0.004**	**0.004**	**0.004**	**0.003**	**0.003**	**0.002**
Conventional Light	0.004	0.004	0.004	0.003	0.003	0.002
Saskatchewan	**0.417**	**0.426**	**0.422**	**0.422**	**0.425**	**0.420**
Conventional Light	0.094	0.094	0.089	0.090	0.087	0.091
Conventional Heavy	0.323	0.332	0.333	0.332	0.337	0.329
C5+	0.001	0.000	0.000	0.001	0.001	0.001
Bitumen	0.000	0.000	0.000	0.000	0.000	0.000

2006	2007	2008	2009	2010	2011	2012	2013	2014
2.687	**2.992**	**3.150**	**3.233**	**3.329**	**3.369**	**3.486**	**3.697**	**3.906**
0.846	0.910	0.886	0.803	0.722	0.653	0.631	0.690	0.695
0.524	0.523	0.506	0.489	0.472	0.457	0.442	0.427	0.413
0.163	0.171	0.165	0.162	0.160	0.158	0.155	0.151	0.148
0.659	0.819	1.074	1.150	1.415	1.477	1.602	1.683	1.764
0.495	0.570	0.521	0.629	0.560	0.624	0.657	0.746	0.886
1.843	**2.058**	**2.235**	**2.394**	**2.566**	**2.670**	**2.805**	**2.953**	**3.154**
0.360	0.342	0.325	0.309	0.294	0.279	0.265	0.252	0.239
0.184	0.177	0.170	0.163	0.156	0.150	0.144	0.138	0.133
0.145	0.151	0.146	0.144	0.142	0.140	0.137	0.134	0.132
0.659	0.819	1.074	1.150	1.415	1.477	1.602	1.683	1.764
0.495	0.570	0.521	0.629	0.560	0.624	0.657	0.746	0.886
0.038	**0.030**	**0.028**	**0.026**	**0.025**	**0.023**	**0.021**	**0.020**	**0.019**
0.028	0.022	0.020	0.018	0.016	0.015	0.013	0.012	0.011
0.009	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008
0.022	**0.024**	**0.025**	**0.026**	**0.025**	**0.023**	**0.022**	**0.021**	**0.020**
0.022	0.024	0.025	0.026	0.025	0.023	0.022	0.021	0.020
0.320	**0.412**	**0.411**	**0.352**	**0.294**	**0.247**	**0.246**	**0.325**	**0.349**
0.320	0.412	0.411	0.352	0.294	0.247	0.246	0.325	0.349
0.018	**0.017**	**0.016**	**0.015**	**0.015**	**0.014**	**0.013**	**0.013**	**0.012**
0.018	0.017	0.016	0.015	0.015	0.014	0.013	0.013	0.012
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.009	**0.010**	**0.009**	**0.009**	**0.008**	**0.008**	**0.008**	**0.007**	**0.007**
0.009	0.010	0.009	0.009	0.008	0.008	0.008	0.007	0.007
0.002	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.001**
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
0.436	**0.438**	**0.423**	**0.409**	**0.395**	**0.382**	**0.369**	**0.356**	**0.344**
0.095	0.090	0.086	0.081	0.077	0.073	0.070	0.066	0.063
0.340	0.347	0.336	0.326	0.316	0.307	0.298	0.289	0.280
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2015	2016	2017	2018	2019	2020	2021	2022	2023
4.073	**4.179**	**4.219**	**4.252**	**4.275**	**4.297**	**4.324**	**4.358**	**4.384**
0.723	0.749	0.705	0.655	0.592	0.533	0.481	0.436	0.389
0.399	0.386	0.373	0.361	0.349	0.337	0.326	0.315	0.305
0.154	0.151	0.144	0.136	0.129	0.120	0.111	0.103	0.095
1.827	1.884	1.944	2.004	2.064	2.124	2.184	2.243	2.301
0.970	1.010	1.053	1.096	1.141	1.183	1.223	1.262	1.294
3.280	**3.354**	**3.432**	**3.508**	**3.585**	**3.660**	**3.734**	**3.807**	**3.874**
0.227	0.216	0.205	0.195	0.185	0.176	0.167	0.159	0.151
0.127	0.122	0.117	0.113	0.108	0.104	0.100	0.096	0.092
0.129	0.122	0.116	0.108	0.101	0.093	0.084	0.077	0.070
1.827	1.884	1.944	2.004	2.064	2.124	2.184	2.243	2.301
0.970	1.010	1.050	1.088	1.126	1.163	1.199	1.233	1.261
0.018	**0.017**	**0.016**	**0.015**	**0.014**	**0.013**	**0.012**	**0.012**	**0.011**
0.010	0.009	0.008	0.007	0.006	0.006	0.005	0.005	0.004
0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.007
0.019	**0.018**	**0.017**	**0.016**	**0.015**	**0.015**	**0.014**	**0.013**	**0.013**
0.019	0.018	0.017	0.016	0.015	0.015	0.014	0.013	0.013
0.395	**0.437**	**0.410**	**0.375**	**0.326**	**0.281**	**0.242**	**0.209**	**0.173**
0.395	0.437	0.410	0.375	0.326	0.281	0.242	0.209	0.173
0.021	**0.025**	**0.024**	**0.024**	**0.023**	**0.023**	**0.022**	**0.022**	**0.021**
0.011	0.011	0.010	0.010	0.009	0.009	0.008	0.008	0.008
0.009	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
0.007	**0.006**	**0.006**	**0.006**	**0.005**	**0.005**	**0.005**	**0.005**	**0.004**
0.007	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.004
0.001	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.333	**0.321**	**0.314**	**0.308**	**0.305**	**0.300**	**0.295**	**0.290**	**0.286**
0.060	0.057	0.054	0.051	0.049	0.046	0.044	0.042	0.040
0.272	0.263	0.256	0.248	0.240	0.233	0.226	0.219	0.213
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.000	0.000	0.003	0.008	0.015	0.020	0.024	0.028	0.033

2024	2025	2026	2027	2028	2029	2030
4.418	**4.459**	**4.499**	**4.544**	**4.590**	**4.626**	**4.665**
0.353	0.318	0.293	0.273	0.256	0.231	0.214
0.295	0.285	0.276	0.266	0.258	0.249	0.241
0.088	0.089	0.082	0.076	0.071	0.067	0.063
2.359	2.415	2.471	2.525	2.576	2.622	2.664
1.324	1.352	1.377	1.403	1.430	1.457	1.484
3.939	**4.002**	**4.062**	**4.123**	**4.181**	**4.237**	**4.290**
0.143	0.136	0.129	0.123	0.117	0.111	0.105
0.088	0.085	0.081	0.078	0.075	0.072	0.069
0.063	0.056	0.049	0.044	0.039	0.035	0.032
2.359	2.415	2.471	2.525	2.576	2.622	2.664
1.287	1.310	1.331	1.353	1.375	1.397	1.420
0.011	**0.011**	**0.010**	**0.010**	**0.009**	**0.008**	**0.008**
0.004	0.003	0.003	0.003	0.002	0.002	0.002
0.007	0.007	0.007	0.007	0.007	0.006	0.006
0.012	**0.011**	**0.011**	**0.010**	**0.010**	**0.009**	**0.009**
0.012	0.011	0.011	0.010	0.010	0.009	0.009
0.148	**0.124**	**0.109**	**0.098**	**0.090**	**0.074**	**0.064**
0.148	0.124	0.109	0.098	0.090	0.074	0.064
0.021	**0.029**	**0.028**	**0.028**	**0.028**	**0.027**	**0.027**
0.007	0.007	0.006	0.006	0.006	0.006	0.005
0.014	0.022	0.022	0.022	0.022	0.022	0.022
0.004	**0.004**	**0.004**	**0.003**	**0.003**	**0.003**	**0.003**
0.004	0.004	0.004	0.003	0.003	0.003	0.003
0.001	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**
0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.282	**0.278**	**0.275**	**0.272**	**0.269**	**0.266**	**0.264**
0.038	0.036	0.034	0.032	0.031	0.029	0.028
0.206	0.200	0.194	0.188	0.183	0.177	0.172
0.001	0.000	0.000	0.000	0.000	0.000	0.000
0.037	0.042	0.046	0.050	0.055	0.059	0.064

Table A3.14: Oil, Triple E, Production Outlook by Province

(thousand cubic metres per day)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Canada	**343.26**	**348.84**	**372.17**	**393.02**	**404.80**	**398.81**	**426.49**	**475.66**	**501.38**	**515.03**
Conventional Light	132.32	128.08	142.02	145.37	137.39	132.94	134.27	144.98	141.81	129.37
Conventional Heavy	89.02	90.67	87.96	86.68	86.50	83.27	83.17	84.03	81.23	78.52
C5+	27.44	26.01	25.52	26.30	25.65	26.00	25.95	26.25	25.29	24.81
Synthetic Crude Oil	50.06	54.74	69.12	79.46	93.96	86.90	104.60	130.00	170.40	182.49
Bitumen	44.43	49.32	47.56	55.20	61.31	69.70	78.50	90.40	82.65	99.84
Alberta	**238.44**	**241.11**	**243.85**	**257.86**	**273.83**	**270.21**	**292.51**	**325.31**	**353.38**	**378.66**
Conventional Light	81.11	76.18	69.70	65.81	62.54	59.73	57.20	54.34	51.62	49.04
Conventional Heavy	37.77	38.01	35.18	34.04	33.08	31.07	29.20	28.03	26.91	25.83
C5+	25.08	22.86	22.30	23.35	22.94	22.81	23.01	22.54	21.79	21.46
Synthetic Crude Oil	50.06	54.74	69.12	79.46	93.96	86.90	104.60	130.00	170.40	182.49
Bitumen	44.43	49.32	47.56	55.20	61.31	69.70	78.50	90.40	82.65	99.84
British Columbia	**8.30**	**8.56**	**8.06**	**7.37**	**6.86**	**6.22**	**5.96**	**4.97**	**4.73**	**4.52**
Conventional Light	7.04	7.04	6.65	6.04	5.52	4.79	4.51	3.44	3.26	3.04
C5+	1.26	1.52	1.42	1.34	1.34	1.43	1.45	1.53	1.47	1.49
Manitoba	**1.70**	**1.76**	**1.78**	**1.73**	**1.75**	**2.21**	**3.46**	**3.84**	**4.04**	**4.10**
Conventional Light	1.70	1.76	1.78	1.73	1.75	2.21	3.46	3.84	4.04	4.10
Newfoundland and Labrador	**23.00**	**23.65**	**45.44**	**53.56**	**49.99**	**48.39**	**50.81**	**65.39**	**65.21**	**55.81**
Conventional Light	23.00	23.65	45.44	53.56	49.99	48.39	50.81	65.39	65.21	55.81
Northwest Territories	**3.92**	**3.93**	**3.77**	**3.44**	**3.27**	**3.02**	**2.87**	**2.72**	**2.59**	**2.46**
Conventional Light	3.92	3.93	3.77	3.44	3.27	3.02	2.87	2.72	2.59	2.46
C5+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nova Scotia	**1.01**	**1.56**	**1.72**	**1.51**	**1.27**	**1.68**	**1.37**	**1.94**	**1.81**	**1.64**
C5+	1.01	1.56	1.72	1.51	1.27	1.68	1.37	1.94	1.81	1.64
Ontario	**0.63**	**0.68**	**0.61**	**0.53**	**0.43**	**0.38**	**0.35**	**0.34**	**0.32**	**0.30**
Conventional Light	0.63	0.68	0.61	0.53	0.43	0.38	0.35	0.34	0.32	0.30
Saskatchewan	**66.26**	**67.61**	**66.93**	**67.02**	**67.40**	**66.71**	**69.15**	**71.14**	**69.30**	**67.53**
Conventional Light	14.93	14.86	14.08	14.26	13.89	14.41	15.07	14.92	14.77	14.62
Conventional Heavy	51.25	52.67	52.78	52.65	53.41	52.20	53.97	56.00	54.32	52.69
C5+	0.08	0.08	0.07	0.11	0.10	0.09	0.12	0.23	0.22	0.22
Bitumen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
527.91	**533.94**	**548.14**	**576.64**	**588.96**	**588.49**	**585.22**	**574.71**	**563.25**	**552.45**	**539.70**	**528.28**	**518.34**	**508.20**
113.81	103.69	99.42	108.06	109.67	102.92	95.80	89.65	83.33	77.46	71.48	66.24	61.57	56.32
75.91	72.63	69.25	65.57	61.63	57.93	54.46	51.19	48.12	45.23	42.52	39.97	37.57	35.31
24.78	24.11	23.48	22.88	22.34	21.86	20.10	18.37	16.30	14.26	12.28	10.72	9.90	9.31
224.59	234.39	251.76	261.75	272.20	278.95	284.74	285.00	285.00	285.00	283.58	282.16	280.75	279.34
88.82	99.13	104.23	118.39	123.13	126.82	130.12	130.50	130.50	130.50	129.85	129.20	128.55	127.91
406.04	**422.63**	**441.55**	**462.30**	**474.27**	**481.65**	**486.70**	**483.42**	**479.25**	**475.20**	**469.32**	**464.03**	**459.49**	**455.28**
46.59	44.49	42.71	41.00	39.36	37.79	36.47	35.19	33.96	32.77	31.62	30.68	29.75	28.86
24.80	23.56	22.15	20.82	19.57	18.40	17.29	16.25	15.28	14.36	13.50	12.69	11.93	11.21
21.23	21.06	20.70	20.34	20.01	19.70	18.08	16.47	14.51	12.57	10.77	9.31	8.51	7.96
224.59	234.39	251.76	261.75	272.20	278.95	284.74	285.00	285.00	285.00	283.58	282.16	280.75	279.34
88.82	99.13	104.23	118.39	123.13	126.82	130.12	130.50	130.50	130.50	129.85	129.20	128.55	127.91
4.28	**3.94**	**3.62**	**3.33**	**3.08**	**2.84**	**2.62**	**2.42**	**2.24**	**2.06**	**1.90**	**1.71**	**1.63**	**1.56**
2.76	2.43	2.14	1.88	1.66	1.46	1.28	1.13	0.99	0.87	0.77	0.68	0.60	0.52
1.52	1.51	1.48	1.45	1.42	1.39	1.34	1.30	1.24	1.19	1.13	1.04	1.04	1.03
3.90	**3.67**	**3.43**	**3.19**	**2.95**	**2.71**	**2.50**	**2.30**	**2.11**	**1.94**	**1.79**	**1.64**	**1.51**	**1.39**
3.90	3.67	3.43	3.19	2.95	2.71	2.50	2.30	2.11	1.94	1.79	1.64	1.51	1.39
43.46	**36.45**	**35.08**	**46.63**	**51.15**	**47.17**	**42.49**	**38.65**	**34.53**	**30.75**	**26.76**	**23.26**	**20.24**	**16.57**
43.46	36.45	35.08	46.63	51.15	47.17	42.49	38.65	34.53	30.75	26.76	23.26	20.24	16.57
2.33	**2.19**	**2.04**	**1.90**	**1.76**	**1.64**	**1.53**	**1.42**	**1.32**	**1.23**	**1.14**	**1.06**	**0.99**	**0.92**
2.33	2.19	2.04	1.90	1.76	1.64	1.53	1.42	1.32	1.23	1.14	1.06	0.99	0.92
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.81	**1.32**	**1.08**	**0.87**	**0.69**	**0.55**	**0.46**	**0.38**	**0.32**	**0.28**	**0.16**	**0.16**	**0.16**	**0.16**
1.81	1.32	1.08	0.87	0.69	0.55	0.46	0.38	0.32	0.28	0.16	0.16	0.16	0.16
0.29	**0.27**	**0.26**	**0.25**	**0.24**	**0.22**	**0.21**	**0.20**	**0.19**	**0.18**	**0.17**	**0.16**	**0.16**	**0.15**
0.29	0.27	0.26	0.25	0.24	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.16	0.15
65.80	**63.47**	**61.08**	**58.18**	**54.83**	**51.68**	**48.71**	**45.91**	**43.28**	**40.80**	**38.46**	**36.25**	**34.16**	**32.18**
14.47	14.18	13.76	13.21	12.55	11.92	11.32	10.76	10.22	9.71	9.22	8.76	8.32	7.91
51.11	49.07	47.10	44.75	42.06	39.54	37.17	34.94	32.84	30.87	29.02	27.28	25.64	24.10
0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.20	0.17
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2024	2025	2026	2027	2028	2029	2030
502.58	**496.09**	**491.19**	**488.96**	**487.19**	**484.30**	**482.47**
52.49	48.54	46.03	43.94	42.21	39.24	37.20
33.20	31.20	29.33	27.57	25.92	24.36	22.90
8.89	8.35	7.83	7.41	6.97	6.55	6.15
280.00	280.00	280.00	281.40	282.81	284.22	285.64
128.00	128.00	128.00	128.64	129.28	129.93	130.58
454.11	**452.17**	**450.33**	**450.68**	**451.09**	**451.60**	**452.20**
28.00	27.16	26.34	25.55	24.79	24.04	23.32
10.54	9.91	9.31	8.75	8.23	7.74	7.27
7.57	7.11	6.67	6.33	5.98	5.67	5.39
280.00	280.00	280.00	281.40	282.81	284.22	285.64
128.00	128.00	128.00	128.64	129.28	129.93	130.58
1.49	**1.39**	**1.27**	**1.16**	**1.05**	**0.92**	**0.78**
0.46	0.41	0.36	0.31	0.28	0.24	0.21
1.03	0.98	0.91	0.85	0.77	0.67	0.56
1.28	**1.18**	**1.08**	**1.00**	**0.92**	**0.84**	**0.78**
1.28	1.18	1.08	1.00	0.92	0.84	0.78
14.24	**11.73**	**10.60**	**9.83**	**9.35**	**7.59**	**6.71**
14.24	11.73	10.60	9.83	9.35	7.59	6.71
0.85	**0.79**	**0.74**	**0.69**	**0.64**	**0.59**	**0.55**
0.85	0.79	0.74	0.69	0.64	0.59	0.55
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.16	**0.16**	**0.16**	**0.16**	**0.16**	**0.16**	**0.16**
0.16	0.16	0.16	0.16	0.16	0.16	0.16
0.14	**0.13**	**0.13**	**0.12**	**0.11**	**0.11**	**0.10**
0.14	0.13	0.13	0.12	0.11	0.11	0.10
30.30	**28.54**	**26.89**	**25.33**	**23.87**	**22.49**	**21.19**
7.51	7.14	6.78	6.44	6.12	5.81	5.52
22.66	21.30	20.02	18.82	17.69	16.63	15.63
0.13	0.11	0.09	0.07	0.06	0.05	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.00

(million barrels per day)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Canada	**2.163**	**2.198**	**2.345**	**2.476**	**2.550**	**2.512**	**2.687**	**2.997**	**3.159**	**3.245**
Conventional Light	0.834	0.807	0.895	0.916	0.866	0.837	0.846	0.913	0.893	0.815
Conventional Heavy	0.561	0.571	0.554	0.546	0.545	0.525	0.524	0.529	0.512	0.495
C5+	0.173	0.164	0.161	0.166	0.162	0.164	0.163	0.165	0.159	0.156
Synthetic Crude Oil	0.315	0.345	0.435	0.501	0.592	0.547	0.659	0.819	1.074	1.150
Bitumen	0.280	0.311	0.300	0.348	0.386	0.439	0.495	0.570	0.521	0.629
Alberta	**1.502**	**1.519**	**1.536**	**1.625**	**1.725**	**1.702**	**1.843**	**2.049**	**2.226**	**2.386**
Conventional Light	0.511	0.480	0.439	0.415	0.394	0.376	0.360	0.342	0.325	0.309
Conventional Heavy	0.238	0.239	0.222	0.214	0.208	0.196	0.184	0.177	0.170	0.163
C5+	0.158	0.144	0.141	0.147	0.145	0.144	0.145	0.142	0.137	0.135
Synthetic Crude Oil	0.315	0.345	0.435	0.501	0.592	0.547	0.659	0.819	1.074	1.150
Bitumen	0.280	0.311	0.300	0.348	0.386	0.439	0.495	0.570	0.521	0.629
British Columbia	**0.052**	**0.054**	**0.051**	**0.046**	**0.043**	**0.039**	**0.038**	**0.031**	**0.030**	**0.029**
Conventional Light	0.044	0.044	0.042	0.038	0.035	0.030	0.028	0.022	0.021	0.019
C5+	0.008	0.010	0.009	0.008	0.008	0.009	0.009	0.010	0.009	0.009
Manitoba	**0.011**	**0.011**	**0.011**	**0.011**	**0.011**	**0.014**	**0.022**	**0.024**	**0.025**	**0.026**
Conventional Light	0.011	0.011	0.011	0.011	0.011	0.014	0.022	0.024	0.025	0.026
Newfoundland and Labrador	**0.145**	**0.149**	**0.286**	**0.337**	**0.315**	**0.305**	**0.320**	**0.412**	**0.411**	**0.352**
Conventional Light	0.145	0.149	0.286	0.337	0.315	0.305	0.320	0.412	0.411	0.352
Northwest Territories	**0.025**	**0.025**	**0.024**	**0.022**	**0.021**	**0.019**	**0.018**	**0.017**	**0.016**	**0.015**
Conventional Light	0.025	0.025	0.024	0.022	0.021	0.019	0.018	0.017	0.016	0.015
C5+	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nova Scotia	**0.006**	**0.010**	**0.011**	**0.009**	**0.008**	**0.011**	**0.009**	**0.012**	**0.011**	**0.010**
C5+	0.006	0.010	0.011	0.009	0.008	0.011	0.009	0.012	0.011	0.010
Ontario	**0.004**	**0.004**	**0.004**	**0.003**	**0.003**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**
Conventional Light	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.002	0.002	0.002
Saskatchewan	**0.417**	**0.426**	**0.422**	**0.422**	**0.425**	**0.420**	**0.436**	**0.448**	**0.437**	**0.425**
Conventional Light	0.094	0.094	0.089	0.090	0.087	0.091	0.095	0.094	0.093	0.092
Conventional Heavy	0.323	0.332	0.333	0.332	0.337	0.329	0.340	0.353	0.342	0.332
C5+	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Bitumen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
3.326	**3.364**	**3.453**	**3.633**	**3.710**	**3.707**	**3.687**	**3.621**	**3.548**	**3.480**	**3.400**	**3.328**	**3.266**	**3.202**
0.717	0.653	0.626	0.681	0.691	0.648	0.604	0.565	0.525	0.488	0.450	0.417	0.388	0.355
0.478	0.458	0.436	0.413	0.388	0.365	0.343	0.323	0.303	0.285	0.268	0.252	0.237	0.222
0.156	0.152	0.148	0.144	0.141	0.138	0.127	0.116	0.103	0.090	0.077	0.068	0.062	0.059
1.415	1.477	1.586	1.649	1.715	1.757	1.794	1.796	1.796	1.796	1.787	1.778	1.769	1.760
0.560	0.624	0.657	0.746	0.776	0.799	0.820	0.822	0.822	0.822	0.818	0.814	0.810	0.806
2.558	**2.663**	**2.782**	**2.913**	**2.988**	**3.034**	**3.066**	**3.046**	**3.019**	**2.994**	**2.957**	**2.923**	**2.895**	**2.868**
0.294	0.280	0.269	0.258	0.248	0.238	0.230	0.222	0.214	0.206	0.199	0.193	0.187	0.182
0.156	0.148	0.140	0.131	0.123	0.116	0.109	0.102	0.096	0.090	0.085	0.080	0.075	0.071
0.134	0.133	0.130	0.128	0.126	0.124	0.114	0.104	0.091	0.079	0.068	0.059	0.054	0.050
1.415	1.477	1.586	1.649	1.715	1.757	1.794	1.796	1.796	1.796	1.787	1.778	1.769	1.760
0.560	0.624	0.657	0.746	0.776	0.799	0.820	0.822	0.822	0.822	0.818	0.814	0.810	0.806
0.027	**0.025**	**0.023**	**0.021**	**0.019**	**0.018**	**0.017**	**0.015**	**0.014**	**0.013**	**0.012**	**0.011**	**0.010**	**0.010**
0.017	0.015	0.013	0.012	0.010	0.009	0.008	0.007	0.006	0.006	0.005	0.004	0.004	0.003
0.010	0.010	0.009	0.009	0.009	0.009	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.007
0.025	**0.023**	**0.022**	**0.020**	**0.019**	**0.017**	**0.016**	**0.014**	**0.013**	**0.012**	**0.011**	**0.010**	**0.010**	**0.009**
0.025	0.023	0.022	0.020	0.019	0.017	0.016	0.014	0.013	0.012	0.011	0.010	0.010	0.009
0.274	**0.230**	**0.221**	**0.294**	**0.322**	**0.297**	**0.268**	**0.244**	**0.218**	**0.194**	**0.169**	**0.147**	**0.128**	**0.104**
0.274	0.230	0.221	0.294	0.322	0.297	0.268	0.244	0.218	0.194	0.169	0.147	0.128	0.104
0.015	**0.014**	**0.013**	**0.012**	**0.011**	**0.010**	**0.010**	**0.009**	**0.008**	**0.008**	**0.007**	**0.007**	**0.006**	**0.006**
0.015	0.014	0.013	0.012	0.011	0.010	0.010	0.009	0.008	0.008	0.007	0.007	0.006	0.006
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.011	**0.008**	**0.007**	**0.005**	**0.004**	**0.003**	**0.003**	**0.002**	**0.002**	**0.002**	**0.001**	**0.001**	**0.001**	**0.001**
0.011	0.008	0.007	0.005	0.004	0.003	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.001
0.002	**0.002**	**0.002**	**0.002**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**
0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.415	**0.400**	**0.385**	**0.367**	**0.345**	**0.326**	**0.307**	**0.289**	**0.273**	**0.257**	**0.242**	**0.228**	**0.215**	**0.203**
0.091	0.089	0.087	0.083	0.079	0.075	0.071	0.068	0.064	0.061	0.058	0.055	0.052	0.050
0.322	0.309	0.297	0.282	0.265	0.249	0.234	0.220	0.207	0.194	0.183	0.172	0.162	0.152
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2024	2025	2026	2027	2028	2029	2030
3.166	**3.125**	**3.095**	**3.080**	**3.069**	**3.051**	**3.040**
0.331	0.306	0.290	0.277	0.266	0.247	0.234
0.209	0.197	0.185	0.174	0.163	0.153	0.144
0.056	0.053	0.049	0.047	0.044	0.041	0.039
1.764	1.764	1.764	1.773	1.782	1.791	1.800
0.806	0.806	0.806	0.810	0.814	0.819	0.823
2.861	**2.849**	**2.837**	**2.839**	**2.842**	**2.845**	**2.849**
0.176	0.171	0.166	0.161	0.156	0.151	0.147
0.066	0.062	0.059	0.055	0.052	0.049	0.046
0.048	0.045	0.042	0.040	0.038	0.036	0.034
1.764	1.764	1.764	1.773	1.782	1.791	1.800
0.806	0.806	0.806	0.810	0.814	0.819	0.823
0.009	**0.009**	**0.008**	**0.007**	**0.007**	**0.006**	**0.005**
0.003	0.003	0.002	0.002	0.002	0.002	0.001
0.006	0.006	0.006	0.005	0.005	0.004	0.004
0.008	**0.007**	**0.007**	**0.006**	**0.006**	**0.005**	**0.005**
0.008	0.007	0.007	0.006	0.006	0.005	0.005
0.090	**0.074**	**0.067**	**0.062**	**0.059**	**0.048**	**0.042**
0.090	0.074	0.067	0.062	0.059	0.048	0.042
0.005	**0.005**	**0.005**	**0.004**	**0.004**	**0.004**	**0.003**
0.005	0.005	0.005	0.004	0.004	0.004	0.003
0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.001	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**
0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**
0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.191	**0.180**	**0.169**	**0.160**	**0.150**	**0.142**	**0.134**
0.047	0.045	0.043	0.041	0.039	0.037	0.035
0.143	0.134	0.126	0.119	0.111	0.105	0.098
0.001	0.001	0.001	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000

Table A3.15: Oil, Fortified Islands, Production Outlook by Province

(thousand cubic metres per day)	2000	2001	2002	2003	2004	2005
Canada	**343.26**	**348.84**	**372.17**	**393.02**	**404.80**	**398.81**
Conventional Light	132.32	128.08	142.02	145.37	137.39	132.94
Conventional Heavy	89.02	90.67	87.96	86.68	86.50	83.27
C5+	27.44	26.01	25.52	26.30	25.65	26.00
Synthetic Crude Oil	50.06	54.74	69.12	79.46	93.96	86.90
Bitumen	44.43	49.32	47.56	55.20	61.31	69.70
Alberta	**238.44**	**241.11**	**243.85**	**257.86**	**273.83**	**270.21**
Conventional Light	81.11	76.18	69.70	65.81	62.54	59.73
Conventional Heavy	37.77	38.01	35.18	34.04	33.08	31.07
C5+	25.08	22.86	22.30	23.35	22.94	22.81
Synthetic Crude Oil	50.06	54.74	69.12	79.46	93.96	86.90
Bitumen	44.43	49.32	47.56	55.20	61.31	69.70
British Columbia	**8.30**	**8.56**	**8.06**	**7.37**	**6.86**	**6.22**
Conventional Light	7.04	7.04	6.65	6.04	5.52	4.79
C5+	1.26	1.52	1.42	1.34	1.34	1.43
Manitoba	**1.70**	**1.76**	**1.78**	**1.73**	**1.75**	**2.21**
Conventional Light	1.70	1.76	1.78	1.73	1.75	2.21
Newfoundland and Labrador	**23.00**	**23.65**	**45.44**	**53.56**	**49.99**	**48.39**
Conventional Light	23.00	23.65	45.44	53.56	49.99	48.39
Northwest Territories	**3.92**	**3.93**	**3.77**	**3.44**	**3.27**	**3.02**
Conventional Light	3.92	3.93	3.77	3.44	3.27	3.02
C5+	0.00	0.00	0.00	0.00	0.00	0.00
Nova Scotia	**1.01**	**1.56**	**1.72**	**1.51**	**1.27**	**1.68**
C5+	1.01	1.56	1.72	1.51	1.27	1.68
Ontario	**0.63**	**0.68**	**0.61**	**0.53**	**0.43**	**0.38**
Conventional Light	0.63	0.68	0.61	0.53	0.43	0.38
Saskatchewan	**66.26**	**67.61**	**66.93**	**67.02**	**67.40**	**66.71**
Conventional Light	14.93	14.86	14.08	14.26	13.89	14.41
Conventional Heavy	51.25	52.67	52.78	52.65	53.41	52.20
C5+	0.08	0.08	0.07	0.11	0.10	0.09
Bitumen	0.00	0.00	0.00	0.00	0.00	0.00

2006	2007	2008	2009	2010	2011	2012	2013	2014
426.49	**477.91**	**504.15**	**523.27**	**548.58**	**562.54**	**586.81**	**624.99**	**667.42**
134.27	146.76	143.49	135.75	131.71	121.00	118.05	126.34	132.16
83.17	83.89	81.32	78.99	76.88	74.99	73.25	71.55	69.89
25.95	26.86	26.30	26.21	26.57	26.24	25.89	25.57	25.29
104.60	130.00	170.40	182.49	224.59	239.17	262.17	278.22	292.00
78.50	90.40	82.65	99.84	88.82	101.15	107.45	123.32	148.09
292.51	**325.70**	**354.47**	**380.60**	**408.92**	**433.30**	**459.94**	**489.28**	**525.36**
57.20	54.03	51.55	49.28	47.21	45.32	43.51	41.77	40.10
29.20	27.89	26.89	25.97	25.14	24.39	23.65	22.94	22.26
23.01	23.38	22.98	23.03	23.15	23.27	23.16	23.03	22.91
104.60	130.00	170.40	182.49	224.59	239.17	262.17	278.22	292.00
78.50	90.40	82.65	99.84	88.82	101.15	107.45	123.32	148.09
5.96	**4.75**	**4.55**	**4.36**	**4.18**	**3.98**	**3.79**	**3.62**	**3.46**
4.51	3.44	3.26	3.04	2.79	2.57	2.36	2.17	2.00
1.45	1.31	1.28	1.33	1.39	1.41	1.43	1.44	1.46
3.46	**3.84**	**4.04**	**4.10**	**3.90**	**3.74**	**3.59**	**3.45**	**3.31**
3.46	3.84	4.04	4.10	3.90	3.74	3.59	3.45	3.31
50.81	**68.05**	**68.05**	**63.49**	**62.65**	**54.84**	**54.67**	**65.61**	**73.97**
50.81	68.05	68.05	63.49	62.65	54.84	54.67	65.61	73.97
2.87	**2.72**	**2.59**	**2.46**	**2.33**	**2.22**	**2.11**	**2.00**	**1.90**
2.87	2.72	2.59	2.46	2.33	2.22	2.11	2.00	1.90
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.37	**1.94**	**1.81**	**1.63**	**1.81**	**1.32**	**1.08**	**0.87**	**0.69**
1.37	1.94	1.81	1.63	1.81	1.32	1.08	0.87	0.69
0.35	**0.34**	**0.32**	**0.30**	**0.29**	**0.27**	**0.26**	**0.25**	**0.24**
0.35	0.34	0.32	0.30	0.29	0.27	0.26	0.25	0.24
69.15	**70.57**	**68.34**	**66.32**	**64.50**	**62.87**	**61.37**	**59.92**	**58.50**
15.07	14.34	13.68	13.08	12.53	12.03	11.55	11.09	10.64
53.97	56.00	54.43	53.02	51.74	50.61	49.59	48.60	47.63
0.12	0.23	0.22	0.22	0.23	0.23	0.23	0.23	0.23
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2015	2016	2017	2018	2019	2020	2021	2022	2023
723.25	**736.74**	**776.26**	**789.64**	**803.76**	**826.91**	**838.17**	**847.23**	**857.16**
153.78	147.45	166.44	157.49	148.85	147.58	138.01	126.29	114.01
68.27	66.68	65.14	63.64	62.17	60.73	59.33	57.97	56.63
26.52	26.50	25.78	24.90	24.00	26.10	24.84	23.87	24.77
305.86	320.54	335.29	350.04	364.74	379.33	393.74	407.92	421.79
168.83	175.56	183.61	193.57	204.00	213.17	222.24	231.18	239.95
557.07	**575.66**	**595.71**	**615.67**	**635.62**	**655.31**	**674.59**	**693.75**	**712.42**
38.49	36.95	35.48	34.06	32.69	31.39	30.13	28.93	27.77
21.59	20.94	20.31	19.70	19.11	18.54	17.98	17.44	16.92
22.80	22.16	21.52	20.71	19.87	18.89	17.69	16.68	15.59
305.86	320.54	335.29	350.04	364.74	379.33	393.74	407.92	421.79
168.33	175.06	183.11	191.17	199.20	207.17	215.04	222.78	230.35
3.32	**3.18**	**3.04**	**2.92**	**2.80**	**2.69**	**2.54**	**2.51**	**2.48**
1.84	1.69	1.56	1.43	1.32	1.21	1.12	1.03	0.94
1.48	1.48	1.49	1.49	1.48	1.47	1.42	1.48	1.53
3.18	**3.05**	**2.93**	**2.81**	**2.70**	**2.59**	**2.49**	**2.39**	**2.29**
3.18	3.05	2.93	2.81	2.70	2.59	2.49	2.39	2.29
98.02	**94.01**	**115.23**	**108.41**	**101.81**	**102.48**	**94.78**	**84.86**	**74.29**
98.02	94.01	115.23	108.41	101.81	102.48	94.78	84.86	74.29
3.26	**3.90**	**3.82**	**3.73**	**3.66**	**4.86**	**4.79**	**4.72**	**4.66**
1.81	1.72	1.63	1.55	1.47	1.40	1.33	1.26	1.20
1.46	2.19	2.19	2.19	2.19	3.46	3.46	3.46	3.46
0.56	**0.46**	**0.38**	**0.32**	**0.28**	**2.11**	**2.11**	**2.11**	**4.06**
0.56	0.46	0.38	0.32	0.28	2.11	2.11	2.11	4.06
0.22	**0.21**	**0.20**	**0.19**	**0.18**	**0.17**	**0.16**	**0.16**	**0.15**
0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.16	0.15
57.62	**56.27**	**54.95**	**55.57**	**56.72**	**56.70**	**56.71**	**56.74**	**56.81**
10.22	9.81	9.42	9.04	8.68	8.33	8.00	7.68	7.37
46.68	45.74	44.83	43.93	43.05	42.19	41.35	40.52	39.71
0.22	0.22	0.21	0.20	0.19	0.17	0.16	0.14	0.13
0.50	0.50	0.50	2.40	4.80	6.00	7.20	8.40	9.60

2024	2025	2026	2027	2028	2029	2030
860.61	**864.29**	**868.87**	**874.86**	**882.18**	**889.09**	**897.45**
101.00	90.78	82.09	74.41	67.13	61.17	56.33
55.33	54.06	52.82	51.61	50.43	49.27	48.15
23.74	23.42	22.20	21.08	21.85	20.66	19.58
432.02	441.62	451.40	461.38	470.32	479.39	488.57
248.53	254.41	260.36	266.38	272.46	278.61	284.82
727.33	**738.84**	**750.67**	**762.93**	**774.32**	**786.05**	**798.12**
26.66	25.59	24.57	23.59	22.64	21.74	20.87
16.41	15.92	15.44	14.98	14.53	14.09	13.67
14.51	13.30	12.10	11.01	9.96	9.02	8.18
432.02	441.62	451.40	461.38	470.32	479.39	488.57
237.73	242.41	247.16	251.98	256.86	261.81	266.82
2.46	**2.39**	**2.31**	**2.24**	**2.15**	**2.04**	**1.90**
0.87	0.80	0.74	0.68	0.62	0.57	0.53
1.59	1.59	1.58	1.56	1.53	1.47	1.38
2.20	**2.11**	**2.03**	**1.95**	**1.87**	**1.80**	**1.72**
2.20	2.11	2.03	1.95	1.87	1.80	1.72
62.91	**54.27**	**47.08**	**40.84**	**34.94**	**30.30**	**26.74**
62.91	54.27	47.08	40.84	34.94	30.30	26.74
4.60	**5.45**	**5.40**	**5.35**	**5.30**	**5.25**	**5.21**
1.14	1.08	1.03	0.98	0.93	0.88	0.84
3.46	4.37	4.37	4.37	4.37	4.37	4.37
4.06	**4.06**	**4.06**	**4.06**	**5.91**	**5.74**	**5.59**
4.06	4.06	4.06	4.06	5.91	5.74	5.59
0.14	**0.13**	**0.13**	**0.12**	**0.11**	**0.11**	**0.10**
0.14	0.13	0.13	0.12	0.11	0.11	0.10
56.90	**57.03**	**57.18**	**57.36**	**57.57**	**57.80**	**58.06**
7.08	6.79	6.52	6.26	6.01	5.77	5.54
38.92	38.14	37.38	36.63	35.90	35.18	34.47
0.11	0.10	0.08	0.07	0.07	0.06	0.05
10.80	12.00	13.20	14.40	15.60	16.80	18.00

(million barrels per day)	2000	2001	2002	2003	2004	2005
Canada	**2.163**	**2.198**	**2.345**	**2.476**	**2.550**	**2.512**
Conventional Light	0.834	0.807	0.895	0.916	0.866	0.837
Conventional Heavy	0.561	0.571	0.554	0.546	0.545	0.525
C5+	0.173	0.164	0.161	0.166	0.162	0.164
Synthetic Crude Oil	0.315	0.345	0.435	0.501	0.592	0.547
Bitumen	0.280	0.311	0.300	0.348	0.386	0.439
Alberta	**1.502**	**1.519**	**1.536**	**1.625**	**1.725**	**1.702**
Conventional Light	0.511	0.480	0.439	0.415	0.394	0.376
Conventional Heavy	0.238	0.239	0.222	0.214	0.208	0.196
C5+	0.158	0.144	0.141	0.147	0.145	0.144
Synthetic Crude Oil	0.315	0.345	0.435	0.501	0.592	0.547
Bitumen	0.280	0.311	0.300	0.348	0.386	0.439
British Columbia	**0.052**	**0.054**	**0.051**	**0.046**	**0.043**	**0.039**
Conventional Light	0.044	0.044	0.042	0.038	0.035	0.030
C5+	0.008	0.010	0.009	0.008	0.008	0.009
Manitoba	**0.011**	**0.011**	**0.011**	**0.011**	**0.011**	**0.014**
Conventional Light	0.011	0.011	0.011	0.011	0.011	0.014
Newfoundland and Labrador	**0.145**	**0.149**	**0.286**	**0.337**	**0.315**	**0.305**
Conventional Light	0.145	0.149	0.286	0.337	0.315	0.305
Northwest Territories	**0.025**	**0.025**	**0.024**	**0.022**	**0.021**	**0.019**
Conventional Light	0.025	0.025	0.024	0.022	0.021	0.019
C5+	0.000	0.000	0.000	0.000	0.000	0.000
Nova Scotia	**0.006**	**0.010**	**0.011**	**0.009**	**0.008**	**0.011**
C5+	0.006	0.010	0.011	0.009	0.008	0.011
Ontario	**0.004**	**0.004**	**0.004**	**0.003**	**0.003**	**0.002**
Conventional Light	0.004	0.004	0.004	0.003	0.003	0.002
Saskatchewan	**0.417**	**0.426**	**0.422**	**0.422**	**0.425**	**0.420**
Conventional Light	0.094	0.094	0.089	0.090	0.087	0.091
Conventional Heavy	0.323	0.332	0.333	0.332	0.337	0.329
C5+	0.001	0.000	0.000	0.001	0.001	0.001
Bitumen	0.000	0.000	0.000	0.000	0.000	0.000

2006	2007	2008	2009	2010	2011	2012	2013	2014
2.687	**3.011**	**3.176**	**3.297**	**3.456**	**3.544**	**3.697**	**3.937**	**4.205**
0.846	0.925	0.904	0.855	0.830	0.762	0.744	0.796	0.833
0.524	0.529	0.512	0.498	0.484	0.472	0.461	0.451	0.440
0.163	0.169	0.166	0.165	0.167	0.165	0.163	0.161	0.159
0.659	0.819	1.074	1.150	1.415	1.507	1.652	1.753	1.840
0.495	0.570	0.521	0.629	0.560	0.637	0.677	0.777	0.933
1.843	**2.052**	**2.233**	**2.398**	**2.576**	**2.730**	**2.898**	**3.082**	**3.310**
0.360	0.340	0.325	0.310	0.297	0.286	0.274	0.263	0.253
0.184	0.176	0.169	0.164	0.158	0.154	0.149	0.145	0.140
0.145	0.147	0.145	0.145	0.146	0.147	0.146	0.145	0.144
0.659	0.819	1.074	1.150	1.415	1.507	1.652	1.753	1.840
0.495	0.570	0.521	0.629	0.560	0.637	0.677	0.777	0.933
0.038	**0.030**	**0.029**	**0.027**	**0.026**	**0.025**	**0.024**	**0.023**	**0.022**
0.028	0.022	0.021	0.019	0.018	0.016	0.015	0.014	0.013
0.009	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009
0.022	**0.024**	**0.025**	**0.026**	**0.025**	**0.024**	**0.023**	**0.022**	**0.021**
0.022	0.024	0.025	0.026	0.025	0.024	0.023	0.022	0.021
0.320	**0.429**	**0.429**	**0.400**	**0.395**	**0.345**	**0.344**	**0.413**	**0.466**
0.320	0.429	0.429	0.400	0.395	0.345	0.344	0.413	0.466
0.018	**0.017**	**0.016**	**0.015**	**0.015**	**0.014**	**0.013**	**0.013**	**0.012**
0.018	0.017	0.016	0.015	0.015	0.014	0.013	0.013	0.012
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.009	**0.012**	**0.011**	**0.010**	**0.011**	**0.008**	**0.007**	**0.005**	**0.004**
0.009	0.012	0.011	0.010	0.011	0.008	0.007	0.005	0.004
0.002	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	**0.001**
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
0.436	**0.445**	**0.431**	**0.418**	**0.406**	**0.396**	**0.387**	**0.377**	**0.369**
0.095	0.090	0.086	0.082	0.079	0.076	0.073	0.070	0.067
0.340	0.353	0.343	0.334	0.326	0.319	0.312	0.306	0.300
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2015	2016	2017	2018	2019	2020	2021	2022	2023
4.556	**4.641**	**4.890**	**4.975**	**5.064**	**5.210**	**5.280**	**5.338**	**5.400**
0.969	0.929	1.049	0.992	0.938	0.930	0.869	0.796	0.718
0.430	0.420	0.410	0.401	0.392	0.383	0.374	0.365	0.357
0.167	0.167	0.162	0.157	0.151	0.164	0.157	0.150	0.156
1.927	2.019	2.112	2.205	2.298	2.390	2.481	2.570	2.657
1.064	1.106	1.157	1.219	1.285	1.343	1.400	1.456	1.512
3.510	**3.627**	**3.753**	**3.879**	**4.004**	**4.128**	**4.250**	**4.371**	**4.488**
0.243	0.233	0.223	0.215	0.206	0.198	0.190	0.182	0.175
0.136	0.132	0.128	0.124	0.120	0.117	0.113	0.110	0.107
0.144	0.140	0.136	0.130	0.125	0.119	0.111	0.105	0.098
1.927	2.019	2.112	2.205	2.298	2.390	2.481	2.570	2.657
1.060	1.103	1.154	1.204	1.255	1.305	1.355	1.404	1.451
0.021	**0.020**	**0.019**	**0.018**	**0.018**	**0.017**	**0.016**	**0.016**	**0.016**
0.012	0.011	0.010	0.009	0.008	0.008	0.007	0.006	0.006
0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010
0.020	**0.019**	**0.018**	**0.018**	**0.017**	**0.016**	**0.016**	**0.015**	**0.014**
0.020	0.019	0.018	0.018	0.017	0.016	0.016	0.015	0.014
0.618	**0.592**	**0.726**	**0.683**	**0.641**	**0.646**	**0.597**	**0.535**	**0.468**
0.618	0.592	0.726	0.683	0.641	0.646	0.597	0.535	0.468
0.021	**0.025**	**0.024**	**0.024**	**0.023**	**0.031**	**0.030**	**0.030**	**0.029**
0.011	0.011	0.010	0.010	0.009	0.009	0.008	0.008	0.008
0.009	0.014	0.014	0.014	0.014	0.022	0.022	0.022	0.022
0.003	**0.003**	**0.002**	**0.002**	**0.002**	**0.013**	**0.013**	**0.013**	**0.026**
0.003	0.003	0.002	0.002	0.002	0.013	0.013	0.013	0.026
0.001	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.363	**0.354**	**0.346**	**0.350**	**0.357**	**0.357**	**0.357**	**0.357**	**0.358**
0.064	0.062	0.059	0.057	0.055	0.052	0.050	0.048	0.046
0.294	0.288	0.282	0.277	0.271	0.266	0.260	0.255	0.250
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.003	0.003	0.003	0.015	0.030	0.038	0.045	0.053	0.060

2024	2025	2026	2027	2028	2029	2030
5.422	**5.445**	**5.474**	**5.512**	**5.558**	**5.601**	**5.654**
0.636	0.572	0.517	0.469	0.423	0.385	0.355
0.349	0.341	0.333	0.325	0.318	0.310	0.303
0.150	0.148	0.140	0.133	0.138	0.130	0.123
2.722	2.782	2.844	2.907	2.963	3.020	3.078
1.566	1.603	1.640	1.678	1.716	1.755	1.794
4.582	**4.655**	**4.729**	**4.806**	**4.878**	**4.952**	**5.028**
0.168	0.161	0.155	0.149	0.143	0.137	0.131
0.103	0.100	0.097	0.094	0.092	0.089	0.086
0.091	0.084	0.076	0.069	0.063	0.057	0.052
2.722	2.782	2.844	2.907	2.963	3.020	3.078
1.498	1.527	1.557	1.587	1.618	1.649	1.681
0.015	**0.015**	**0.015**	**0.014**	**0.014**	**0.013**	**0.012**
0.005	0.005	0.005	0.004	0.004	0.004	0.003
0.010	0.010	0.010	0.010	0.010	0.009	0.009
0.014	**0.013**	**0.013**	**0.012**	**0.012**	**0.011**	**0.011**
0.014	0.013	0.013	0.012	0.012	0.011	0.011
0.396	**0.342**	**0.297**	**0.257**	**0.220**	**0.191**	**0.168**
0.396	0.342	0.297	0.257	0.220	0.191	0.168
0.029	**0.034**	**0.034**	**0.034**	**0.033**	**0.033**	**0.033**
0.007	0.007	0.006	0.006	0.006	0.006	0.005
0.022	0.028	0.028	0.028	0.028	0.028	0.028
0.026	**0.026**	**0.026**	**0.026**	**0.037**	**0.036**	**0.035**
0.026	0.026	0.026	0.026	0.037	**0.036**	0.035
0.001	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**
0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.359	**0.359**	**0.360**	**0.361**	**0.363**	**0.364**	**0.366**
0.045	0.043	0.041	0.039	0.038	0.036	0.035
0.245	0.240	0.235	0.231	0.226	0.222	0.217
0.001	0.001	0.001	0.000	0.000	0.000	0.000
0.068	0.076	0.083	0.091	0.098	0.106	0.113

Appendix 4
Natural Gas

Table A4.1:Natural Gas Supply

Natural Gas Supply Details: Resources and Drilling

Marketable Gas Resources

Estimates of gas in place in the subsurface and the portion that can be technically and economically recovered

In-place volume does not vary between the scenarios as it is based on the most current knowledge of the subsurface Amount that can be economically recovered may vary across the scenarios as price can exclude or include higher cost gas deposits, as shown in the table below

Projection of cumulative production from 2005 to 2030 indicated in brackets

Remaining Marketable Gas Resources [1] & 2005 to 2030 Production by Scenario (billion cubic metres)

	Reference/Continuing	Triple E	Fortified Islands
WCSB			
Conventional[2]	3796 (2643)	3796 (2108)	3796 (2887)
CBM	992 (314)	737 (232)	1416 (657)
Tight Gas	595 (374)	365 (278)	737 (493)
Shale Gas	244 (42)	150 (25)	365 (215)
Sub Total	6331 (3374)	6011 (2643)	7023 (4252)
Frontiers			
NS & NL	2572 (119)	2572 (119)	2572 (221)
Mackenzie-Beaufort[3]	2161 (238)	2161 (0)	2161 (306)
Arctic Islands	1125 (0)	1125 (0)	1125 (82)
Other Frontiers	524 (0)	524 (0)	524 (0)
Sub Total	6382 (357)	6382 (119)	6382 (609)
Canada	12714 (3731)	12394 (2762)	13405 (4861)

2005 to 2030 cumulative production in brackets

Remaining Marketable Gas Resources [1] & 2005 to 2030 Production by Scenario (Tcf)

	Reference/Continuing	Triple E	Fortified Islands
WCSB			
Conventional[2]	134.0 (93.3)	134.0 (74.4)	134.0 (101.9)
CBM	35.0 (11.1)	26.0 (8.2)	50.0 (23.2)
Tight Gas	21.0 (13.2)	12.9 (9.8)	26.0 (17.4)
Shale Gas	8.6 (1.5)	5.3 (0.9)	12.9 (7.6)
Sub Total	223.5 (119.1)	212.2 (93.3)	247.8 (150.1)
Frontiers			
NS & NL	90.8 (4.2)	90.8 (4.2)	90.8 (7.8)
Mackenzie-Beaufort[3]	76.3 (8.4)	76.3 (0.0)	76.3 (10.8)
Arctic Islands	39.7 (0.0)	39.7 (0.0)	39.7 (2.9)
Other Frontiers	18.5 (0.0)	18.5 (0.0)	18.5 (0.0)
Sub Total	225.3 (12.6)	225.3 (4.2)	225.3 (21.5)
Canada	448.8 (131.7)	437.5 (97.5)	473.2 (171.6)

2005 to 2030 cumulative production in brackets

[1] Remaining resources include estimates of remaining reserves, discovered and undiscovered volumes

[2] Includes Ontario

[3] Includes Other Territories

WCSB New Gas Wells

Estimates of the number of new gas wells in the WCSB required for the production outlooks are shown in the table below

Average Annual New Gas Wells in the WCSB by Scenario

	2005 - 2015	2016 – 2030		
	Reference Case	Continuing Trends	Triple E	Fortified Islands
Conventional & Tight Gas	14 687	14 665	6 022	18 000
CBM – Horseshoe Canyon	3 669	2 943	2 943	3 753
CBM – Mannville	281	140	140	525
Shale Gas	89	75	12	683
Total WCSB	18 726	17 823	9 116	22 960

Table A4.2: Natural Gas, Reference Case and Continuing Trends, Production Outlook

(million cubic metres per day)	2000	2001	2002	2003	2004	2005	2006
Canada	**483.6**	**498.9**	**492.5**	**476.1**	**481.6**	**483.7**	**485.5**
Western Canada Sedimentary Basin[1]	**472.6**	**484.0**	**477.2**	**462.8**	**469.3**	**471.6**	**474.5**
Solution	51.4	50.6	47.8	44.0	44.1	43.9	42.8
Non Associated	410.6	418.2	411.4	394.2	387.8	335.0	266.6
Additions	0.0	0.0	0.0	0.0	0.0	47.1	104.8
Horseshoe Canyon Coalbed Methane	0.2	0.6	0.9	1.5	3.8	8.4	12.4
Mannville Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0	1.1
Tight	10.4	14.6	17.0	23.2	33.6	37.2	46.5
Shale[2]	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Alberta	**393.6**	**394.5**	**382.8**	**371.7**	**374.4**	**375.4**	**376.5**
Solution	46.2	45.5	43.3	40.0	40.0	39.6	38.7
Non Associated	341.6	339.7	328.5	317.0	313.2	270.1	215.3
Additions	0.0	0.0	0.0	0.0	0.0	38.1	84.8
Horseshoe Canyon Coalbed Methane	0.2	0.6	0.9	1.5	3.8	8.4	12.4
Mannville Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0	1.1
Tight	5.7	8.8	10.2	13.2	17.4	19.2	24.2
British Columbia	**59.2**	**68.3**	**73.8**	**69.8**	**73.2**	**74.8**	**76.8**
Solution	3.2	3.2	2.6	2.1	1.9	1.7	1.5
Non Associated	51.2	59.3	64.3	57.8	55.1	48.3	38.0
Additions	0.0	0.0	0.0	0.0	0.0	6.8	15.0
Tight	4.8	5.8	6.9	9.9	16.2	18.0	22.3
New Brunswick	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Newfoundland	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Northwest Territories	**2.5**	**3.7**	**3.0**	**1.8**	**1.3**	**0.8**	**0.3**
Other	2.5	3.7	3.0	1.8	1.3	0.8	0.3
Mackenzie	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nova Scotia	**9.4**	**13.9**	**14.3**	**12.2**	**11.3**	**11.2**	**10.0**
Sable & Surroundings	9.4	13.9	14.3	12.2	11.3	11.2	10.0
Panuke	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deep	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	**1.6**	**1.0**	**1.0**	**1.1**	**1.0**	**0.9**	**1.0**
Saskatchewan	**17.3**	**17.5**	**17.5**	**19.0**	**20.0**	**20.2**	**20.2**
Solution	2.0	1.9	1.9	1.9	2.2	2.6	2.6
Non Associated	15.3	15.5	15.6	17.1	17.8	15.4	12.6
Additions	0.0	0.0	0.0	0.0	0.0	2.2	5.0
Yukon	**0.0**	**0.0**	**0.0**	**0.5**	**0.4**	**0.4**	**0.4**
LNG Imports	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
East Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0	0.0
British Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
469.3	**451.7**	**448.8**	**450.2**	**441.9**	**433.2**	**425.1**	**417.8**	**433.9**	**432.5**	**434.6**	**421.1**
454.2	**437.5**	**435.3**	**434.6**	**429.9**	**422.9**	**416.4**	**410.4**	**404.8**	**392.8**	**381.2**	**368.2**
41.6	40.3	39.2	38.0	37.0	36.0	35.0	34.0	33.1	31.1	29.3	27.3
208.3	165.8	141.6	125.0	112.6	102.4	95.3	89.5	84.9	79.4	74.0	69.1
135.4	157.3	174.6	187.3	192.1	194.1	195.9	196.7	196.3	191.9	187.6	181.3
15.2	15.6	15.4	17.7	19.6	20.8	22.1	23.5	23.1	22.9	24.2	25.4
1.7	4.6	8.4	9.6	10.6	11.3	12.0	12.7	15.3	17.6	18.5	19.5
50.6	51.9	53.6	53.9	54.5	54.3	51.6	49.0	46.5	44.2	42.0	39.9
1.4	1.9	2.5	3.0	3.5	4.1	4.6	5.1	5.7	5.7	5.7	5.7
358.4	**345.3**	**341.7**	**339.0**	**334.3**	**327.9**	**321.9**	**316.4**	**311.3**	**301.2**	**291.5**	**280.5**
37.7	36.7	35.7	34.7	33.8	32.9	32.0	31.1	30.3	28.5	26.8	24.9
167.7	133.7	113.5	99.1	89.0	80.6	74.5	69.5	65.6	60.9	56.4	52.2
109.3	127.3	140.3	148.9	152.2	153.0	153.5	153.1	151.9	147.4	142.9	136.9
15.2	15.6	15.4	17.7	19.6	20.8	22.1	23.5	23.1	22.9	24.2	25.4
1.7	4.6	8.4	9.6	10.6	11.3	12.0	12.7	15.3	17.6	18.5	19.5
26.7	27.4	28.4	29.0	29.2	29.4	27.9	26.5	25.2	23.9	22.7	21.6
75.2	**72.2**	**72.7**	**73.9**	**73.5**	**72.7**	**71.9**	**71.2**	**70.5**	**69.5**	**68.5**	**67.4**
1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3
30.2	23.9	20.8	19.2	17.5	16.2	15.6	15.1	14.7	14.3	13.8	13.4
19.7	22.7	25.7	28.9	29.9	30.8	32.1	33.1	34.0	34.5	35.0	35.3
23.9	24.5	25.2	24.9	25.3	24.9	23.6	22.5	21.3	20.3	19.3	18.3
0.7	**0.7**	**0.8**	**0.8**	**1.0**	**1.0**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**14.2**	**14.2**
0.2	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**22.7**	**34.0**	**34.0**	**34.0**
0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7	34.0	34.0	34.0
13.4	**12.4**	**11.7**	**13.7**	**10.0**	**8.3**	**6.6**	**5.3**	**4.3**	**3.6**	**3.1**	**2.6**
13.4	12.4	11.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	6.9	8.6	6.9	5.2	3.9	2.9	2.2	1.6	1.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.0	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
18.7	**17.6**	**18.0**	**18.3**	**18.4**	**18.1**	**17.8**	**17.5**	**17.2**	**16.4**	**15.5**	**14.5**
2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.0
9.7	7.7	6.9	6.3	5.9	5.4	5.0	4.7	4.5	4.1	3.8	3.5
6.4	7.4	8.6	9.5	10.0	10.3	10.4	10.4	10.4	10.0	9.6	9.1
0.4	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
0.0	**0.0**	**14.2**	**14.2**	**14.2**	**28.3**	**28.3**	**39.7**	**39.7**	**46.7**	**46.7**	**58.1**
0.0	0.0	14.2	14.2	14.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	11.3	11.3	11.3	22.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
407.3	**386.7**	**364.5**	**352.1**	**354.0**	**343.4**	**349.3**	**335.7**	**325.1**	**315.0**	**305.7**	**296.9**
354.7	**334.9**	**312.7**	**300.3**	**288.1**	**277.5**	**263.6**	**250.0**	**239.4**	**229.3**	**220.0**	**211.2**
26.2	25.4	24.6	23.8	22.9	22.2	21.4	20.7	20.2	19.5	19.0	18.4
64.5	59.8	54.1	51.6	49.4	47.4	45.6	43.9	42.4	41.0	39.7	38.5
173.3	164.2	152.1	146.2	140.2	135.2	126.8	118.2	112.1	106.5	101.4	96.5
26.7	24.8	23.9	23.0	22.1	21.3	20.6	19.8	19.2	18.5	17.9	17.3
20.4	19.0	18.3	17.6	17.0	16.3	15.7	15.2	14.7	14.2	13.7	13.3
37.9	36.0	34.2	32.5	30.9	29.3	27.9	26.5	25.1	23.9	22.7	21.6
5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
269.3	**251.9**	**233.6**	**221.2**	**208.9**	**197.8**	**185.0**	**172.9**	**163.3**	**154.5**	**146.9**	**140.2**
23.9	23.1	22.3	21.7	20.9	20.3	19.6	19.0	18.5	17.9	17.4	16.9
48.2	44.2	39.5	36.8	34.4	32.1	30.1	28.3	26.7	25.3	24.1	23.1
129.6	121.3	111.1	104.5	97.8	91.8	83.9	76.3	70.6	65.7	61.5	57.9
26.7	24.8	23.9	23.0	22.1	21.3	20.6	19.8	19.2	18.5	17.9	17.3
20.4	19.0	18.3	17.6	17.0	16.3	15.7	15.2	14.7	14.2	13.7	13.3
20.5	19.5	18.5	17.6	16.7	15.9	15.1	14.3	13.6	12.9	12.3	11.7
66.2	**64.9**	**62.2**	**63.5**	**64.9**	**66.6**	**66.6**	**66.1**	**66.1**	**65.6**	**64.6**	**63.0**
0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
13.1	12.8	12.1	12.6	13.2	13.7	14.2	14.6	14.9	15.2	15.2	15.1
35.3	35.3	34.1	35.8	37.4	39.2	39.5	39.3	39.5	39.4	38.9	37.9
17.4	16.5	15.7	14.9	14.2	13.4	12.8	12.1	11.5	11.0	10.4	9.9
1.1	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**
14.2	**14.2**	**14.2**	**14.2**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**
34.0	**34.0**	**34.0**	**34.0**	**34.0**	**34.0**	**53.8**	**53.8**	**53.8**	**53.8**	**53.8**	**53.8**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.0	34.0	34.0	34.0	34.0	34.0	53.8	53.8	53.8	53.8	53.8	53.8
2.3	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.0	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
13.5	**12.4**	**11.2**	**9.9**	**8.7**	**7.4**	**6.3**	**5.2**	**4.3**	**3.5**	**2.8**	**2.3**
2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
3.1	2.8	2.4	2.1	1.8	1.5	1.2	1.0	0.7	0.6	0.4	0.3
8.4	7.6	6.8	6.0	5.1	4.2	3.4	2.6	2.0	1.4	1.0	0.7
0.1	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
58.1	**58.1**	**58.1**	**58.1**	**58.1**	**58.1**	**58.1**	**58.1**	**58.1**	**58.1**	**80.7**	**80.7**
28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	39.7	39.7
22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	34.0	34.0
7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1

(billion cubic feet per day)	2000	2001	2002	2003	2004	2005	2006
Canada	**17.071**	**17.610**	**17.384**	**16.808**	**17.000**	**17.076**	**17.137**
Western Canada Sedimentary Basin[1]	**16.682**	**17.084**	**16.845**	**16.338**	**16.565**	**16.646**	**16.751**
Solution	1.814	1.786	1.688	1.552	1.556	1.548	1.513
Non Associated	14.494	14.765	14.524	13.915	13.688	11.826	9.412
Additions	0.000	0.000	0.000	0.000	0.000	1.664	3.698
Horseshoe Canyon Coalbed Methane	0.007	0.020	0.031	0.053	0.133	0.295	0.436
Mannville Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000	0.039
Tight	0.367	0.514	0.601	0.818	1.187	1.314	1.642
Shale[2]	0.000	0.000	0.000	0.000	0.000	0.000	0.010
Alberta	**13.894**	**13.927**	**13.515**	**13.122**	**13.215**	**13.251**	**13.293**
Solution	1.630	1.606	1.527	1.411	1.412	1.397	1.368
Non Associated	12.058	11.992	11.597	11.190	11.056	9.535	7.602
Additions	0.000	0.000	0.000	0.000	0.000	1.346	2.995
Horseshoe Canyon Coalbed Methane	0.007	0.020	0.031	0.053	0.133	0.295	0.436
Mannville Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000	0.039
Tight	0.200	0.309	0.359	0.467	0.614	0.678	0.853
British Columbia	**2.089**	**2.410**	**2.605**	**2.464**	**2.584**	**2.642**	**2.710**
Solution	0.112	0.112	0.093	0.075	0.066	0.060	0.052
Non Associated	1.809	2.093	2.270	2.039	1.944	1.705	1.341
Additions	0.000	0.000	0.000	0.000	0.000	0.241	0.528
Tight	0.168	0.205	0.242	0.350	0.573	0.636	0.789
New Brunswick	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Newfoundland	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Northwest Territories	**0.089**	**0.131**	**0.107**	**0.064**	**0.046**	**0.027**	**0.012**
Other	0.089	0.131	0.107	0.064	0.046	0.027	0.012
Mackenzie	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nova Scotia	**0.333**	**0.492**	**0.504**	**0.432**	**0.400**	**0.396**	**0.352**
Sable & Surroundings	0.333	0.492	0.504	0.432	0.400	0.396	0.352
Panuke	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ontario	**0.056**	**0.034**	**0.036**	**0.037**	**0.035**	**0.034**	**0.035**
Saskatchewan	**0.611**	**0.617**	**0.618**	**0.669**	**0.706**	**0.712**	**0.713**
Solution	0.072	0.068	0.068	0.066	0.078	0.091	0.093
Non Associated	0.539	0.548	0.550	0.603	0.628	0.544	0.445
Additions	0.000	0.000	0.000	0.000	0.000	0.077	0.175
Yukon	**0.000**	**0.000**	**0.000**	**0.019**	**0.014**	**0.015**	**0.013**
LNG Import	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
East Coast	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Quebec	0.000	0.000	0.000	0.000	0.000	0.000	0.000
British Columbia	0.000	0.000	0.000	0.000	0.000	0.000	0.000

[1] Includes Alberta, British Columbia, Other Northwest Territories, Saskatchewan and Yukon

[2] No provincial breakdown for production from shale

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
16.568	**15.944**	**15.844**	**15.891**	**15.601**	**15.292**	**15.007**	**14.749**	**15.319**	**15.269**	**15.342**	**14.865**
16.035	**15.445**	**15.365**	**15.343**	**15.177**	**14.929**	**14.699**	**14.487**	**14.291**	**13.867**	**13.458**	**12.996**
1.467	1.424	1.382	1.343	1.306	1.269	1.234	1.200	1.168	1.099	1.034	0.963
7.352	5.852	5.000	4.414	3.974	3.617	3.365	3.158	2.996	2.803	2.614	2.440
4.780	5.554	6.163	6.613	6.783	6.852	6.916	6.942	6.929	6.775	6.621	6.398
0.536	0.551	0.545	0.626	0.692	0.734	0.780	0.828	0.816	0.809	0.854	0.898
0.062	0.164	0.295	0.339	0.374	0.397	0.422	0.448	0.539	0.620	0.654	0.688
1.787	1.832	1.892	1.901	1.923	1.916	1.820	1.729	1.643	1.560	1.482	1.408
0.050	0.069	0.088	0.106	0.125	0.144	0.163	0.181	0.200	0.200	0.200	0.200
12.651	**12.189**	**12.063**	**11.969**	**11.801**	**11.575**	**11.364**	**11.169**	**10.990**	**10.634**	**10.291**	**9.903**
1.330	1.294	1.259	1.224	1.193	1.160	1.129	1.099	1.069	1.006	0.945	0.880
5.921	4.720	4.008	3.500	3.140	2.845	2.631	2.454	2.315	2.150	1.990	1.842
3.860	4.493	4.954	5.257	5.373	5.401	5.417	5.404	5.361	5.203	5.046	4.833
0.536	0.551	0.545	0.626	0.692	0.734	0.780	0.828	0.816	0.809	0.854	0.898
0.062	0.164	0.295	0.339	0.374	0.397	0.422	0.448	0.539	0.620	0.654	0.688
0.942	0.968	1.003	1.022	1.030	1.037	0.985	0.936	0.889	0.845	0.803	0.762
2.653	**2.548**	**2.566**	**2.608**	**2.593**	**2.566**	**2.539**	**2.513**	**2.489**	**2.452**	**2.417**	**2.378**
0.046	0.040	0.035	0.031	0.028	0.025	0.022	0.019	0.017	0.015	0.014	0.012
1.066	0.842	0.734	0.679	0.617	0.574	0.550	0.531	0.518	0.503	0.487	0.474
0.695	0.802	0.907	1.020	1.055	1.089	1.133	1.170	1.200	1.218	1.236	1.245
0.845	0.864	0.890	0.879	0.893	0.879	0.835	0.793	0.753	0.716	0.680	0.646
0.025	**0.025**	**0.030**	**0.030**	**0.035**	**0.035**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.500**	**0.500**
0.008	**0.005**	**0.003**	**0.001**	**0.000**	**0.000**	**0.000**	**0.000**	**0.800**	**1.200**	**1.200**	**1.200**
0.008	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.800	1.200	1.200	1.200
0.473	**0.439**	**0.413**	**0.483**	**0.354**	**0.292**	**0.232**	**0.186**	**0.152**	**0.127**	**0.108**	**0.093**
0.473	0.439	0.388	0.191	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.242	0.304	0.242	0.182	0.136	0.102	0.077	0.058	0.043
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.025	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
0.035	**0.035**	**0.035**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**
0.659	**0.622**	**0.635**	**0.648**	**0.648**	**0.638**	**0.627**	**0.618**	**0.608**	**0.578**	**0.548**	**0.513**
0.091	0.090	0.088	0.087	0.086	0.085	0.083	0.082	0.081	0.078	0.075	0.072
0.344	0.273	0.244	0.224	0.207	0.191	0.178	0.167	0.159	0.146	0.134	0.122
0.224	0.259	0.302	0.337	0.355	0.362	0.366	0.368	0.368	0.354	0.339	0.320
0.013	**0.012**	**0.011**	**0.010**	**0.009**	**0.007**	**0.006**	**0.005**	**0.004**	**0.003**	**0.003**	**0.002**
0.000	**0.000**	**0.500**	**0.500**	**0.500**	**1.000**	**1.000**	**1.400**	**1.400**	**1.650**	**1.650**	**2.050**
0.000	0.000	0.500	0.500	0.500	1.000	1.000	1.000	1.000	1.000	1.000	1.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.400	0.400	0.400	0.800
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.250

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
14.379	**13.649**	**12.866**	**12.428**	**12.496**	**12.122**	**12.330**	**11.849**	**11.475**	**11.121**	**10.791**	**10.481**
12.522	**11.824**	**11.040**	**10.602**	**10.170**	**9.796**	**9.305**	**8.824**	**8.450**	**8.095**	**7.766**	**7.455**
0.926	0.895	0.867	0.841	0.809	0.785	0.757	0.732	0.713	0.689	0.669	0.649
2.278	2.113	1.909	1.821	1.743	1.672	1.608	1.550	1.497	1.448	1.402	1.358
6.117	5.797	5.368	5.160	4.948	4.774	4.474	4.171	3.958	3.761	3.578	3.408
0.942	0.877	0.843	0.812	0.782	0.753	0.726	0.700	0.677	0.654	0.632	0.611
0.722	0.671	0.646	0.622	0.599	0.577	0.556	0.536	0.518	0.501	0.484	0.468
1.338	1.271	1.207	1.147	1.090	1.035	0.983	0.934	0.888	0.843	0.801	0.761
0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
9.507	**8.894**	**8.248**	**7.809**	**7.373**	**6.981**	**6.531**	**6.105**	**5.765**	**5.456**	**5.186**	**4.948**
0.844	0.815	0.788	0.766	0.737	0.717	0.692	0.670	0.653	0.632	0.615	0.596
1.702	1.560	1.394	1.301	1.215	1.134	1.064	1.000	0.942	0.893	0.850	0.815
4.573	4.283	3.922	3.688	3.451	3.240	2.961	2.693	2.493	2.320	2.171	2.045
0.942	0.877	0.843	0.812	0.782	0.753	0.726	0.700	0.677	0.654	0.632	0.611
0.722	0.671	0.646	0.622	0.599	0.577	0.556	0.536	0.518	0.501	0.484	0.468
0.724	0.688	0.654	0.621	0.590	0.560	0.532	0.506	0.481	0.457	0.434	0.412
2.336	**2.291**	**2.196**	**2.242**	**2.291**	**2.352**	**2.352**	**2.334**	**2.334**	**2.316**	**2.279**	**2.225**
0.011	0.011	0.010	0.009	0.008	0.007	0.006	0.005	0.004	0.004	0.003	0.003
0.464	0.453	0.428	0.445	0.464	0.485	0.501	0.515	0.527	0.535	0.537	0.534
1.247	1.244	1.205	1.262	1.319	1.385	1.394	1.386	1.395	1.391	1.372	1.339
0.614	0.583	0.554	0.526	0.500	0.475	0.451	0.428	0.407	0.387	0.367	0.349
0.040	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**
0.500	**0.500**	**0.500**	**0.500**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**
1.200	**1.200**	**1.200**	**1.200**	**1.200**	**1.200**	**1.900**	**1.900**	**1.900**	**1.900**	**1.900**	**1.900**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.200	1.200	1.200	1.200	1.200	1.200	1.900	1.900	1.900	1.900	1.900	1.900
0.081	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
0.036	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.035**	**0.035**	**0.035**	**0.035**	**0.035**	**0.035**
0.477	**0.438**	**0.395**	**0.350**	**0.306**	**0.262**	**0.221**	**0.184**	**0.151**	**0.123**	**0.101**	**0.082**
0.071	0.070	0.068	0.066	0.064	0.061	0.059	0.057	0.055	0.053	0.052	0.050
0.110	0.098	0.086	0.074	0.063	0.052	0.043	0.034	0.026	0.019	0.014	0.009
0.296	0.269	0.241	0.210	0.179	0.149	0.119	0.093	0.070	0.051	0.035	0.023
0.002	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
2.050	**2.050**	**2.050**	**2.050**	**2.050**	**2.050**	**2.050**	**2.050**	**2.050**	**2.050**	**2.850**	**2.850**
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.400	1.400
0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	1.200	1.200
0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250

Table A4.3: Natural Gas, Triple E, Production Outlook

(million cubic metres per day)	2000	2001	2002	2003	2004	2005	2006
Canada	**483.6**	**498.9**	**492.5**	**476.1**	**481.6**	**483.7**	**485.5**
Western Canada Sedimentary Basin[1]	**472.6**	**484.0**	**477.2**	**462.8**	**469.3**	**471.6**	**474.5**
Solution	51.4	50.6	47.8	44.0	44.1	43.9	42.8
Non Associated	410.6	418.2	411.4	394.2	387.8	335.0	266.6
Additions	0.0	0.0	0.0	0.0	0.0	47.1	104.8
Horseshoe Canyon Coalbed Methane	0.2	0.6	0.9	1.5	3.8	8.4	12.4
Mannville Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0	1.1
Tight	10.4	14.6	17.0	23.2	33.6	37.2	46.5
Shale[2]	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Alberta	**393.6**	**394.5**	**382.8**	**371.7**	**374.4**	**375.4**	**376.5**
Solution	46.2	45.5	43.3	40.0	40.0	39.6	38.7
Non Associated	341.6	339.7	328.5	317.0	313.2	270.1	215.3
Additions	0.0	0.0	0.0	0.0	0.0	38.1	84.8
Horseshoe Canyon Coalbed Methane	0.2	0.6	0.9	1.5	3.8	8.4	12.4
Mannville Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0	1.1
Tight	5.7	8.8	10.2	13.2	17.4	19.2	24.2
British Columbia	**59.2**	**68.3**	**73.8**	**69.8**	**73.2**	**74.8**	**76.8**
Solution	3.2	3.2	2.6	2.1	1.9	1.7	1.5
Non Associated	51.2	59.3	64.3	57.8	55.1	48.3	38.0
Additions	0.0	0.0	0.0	0.0	0.0	6.8	15.0
Tight	4.8	5.8	6.9	9.9	16.2	18.0	22.3
New Brunswick	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Newfoundland	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Northwest Territories	**2.5**	**3.7**	**3.0**	**1.8**	**1.3**	**0.8**	**0.3**
Other	2.5	3.7	3.0	1.8	1.3	0.8	0.3
Mackenzie	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nova Scotia	**9.4**	**13.9**	**14.3**	**12.2**	**11.3**	**11.2**	**10.0**
Sable & Surroundings	9.4	13.9	14.3	12.2	11.3	11.2	10.0
Panuke	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deep	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	**1.6**	**1.0**	**1.0**	**1.1**	**1.0**	**0.9**	**1.0**
Saskatchewan	**17.3**	**17.5**	**17.5**	**19.0**	**20.0**	**20.2**	**20.2**
Solution	2.0	1.9	1.9	1.9	2.2	2.6	2.6
Non Associated	15.3	15.5	15.6	17.1	17.8	15.4	12.6
Additions	0.0	0.0	0.0	0.0	0.0	2.2	5.0
Yukon	**0.0**	**0.0**	**0.0**	**0.5**	**0.4**	**0.4**	**0.4**
LNG Imports	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
East Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0	0.0
British Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
469.3	**459.6**	**464.7**	**470.0**	**452.4**	**425.3**	**399.4**	**374.7**	**351.2**	**311.6**	**290.6**	**256.4**
454.2	**445.5**	**451.1**	**454.4**	**440.3**	**415.0**	**390.7**	**367.3**	**344.8**	**305.8**	**271.2**	**237.5**
41.6	40.3	39.2	38.0	37.0	36.0	35.0	34.0	33.1	31.1	29.3	27.3
208.3	167.7	145.5	128.8	111.8	95.3	82.4	71.4	62.5	49.7	39.9	31.2
135.4	162.9	185.6	202.1	202.5	194.0	189.2	182.7	174.3	154.9	136.0	116.6
15.2	15.9	16.1	18.6	20.1	20.4	20.6	20.8	19.4	18.4	18.5	18.7
1.7	4.7	8.7	10.1	10.9	11.0	11.1	11.2	12.8	14.1	14.2	14.3
50.6	51.9	53.6	53.9	54.5	54.3	47.8	42.0	37.0	32.5	28.6	25.2
1.4	1.9	2.5	3.0	3.5	4.1	4.6	5.1	5.7	5.1	4.6	4.1
358.4	**351.5**	**354.1**	**354.4**	**342.4**	**321.8**	**302.0**	**283.2**	**265.0**	**232.4**	**203.6**	**175.6**
37.7	36.7	35.7	34.7	33.8	32.9	32.0	31.1	30.3	28.5	26.8	24.9
167.7	135.1	116.4	101.8	88.3	75.1	64.4	55.4	47.8	37.6	29.1	22.0
109.3	131.6	148.9	160.2	160.2	153.1	148.1	141.9	134.7	116.2	99.5	82.1
15.2	15.9	16.1	18.6	20.1	20.4	20.6	20.8	19.4	18.4	18.5	18.7
1.7	4.7	8.7	10.1	10.9	11.0	11.1	11.2	12.8	14.1	14.2	14.3
26.7	27.4	28.4	29.0	29.2	29.4	25.9	22.8	20.0	17.6	15.5	13.6
75.2	**73.6**	**75.6**	**77.5**	**75.4**	**71.2**	**67.1**	**63.1**	**59.2**	**55.8**	**52.4**	**49.1**
1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3
30.2	24.3	21.6	20.1	17.5	15.0	13.5	12.2	11.4	9.5	8.8	7.9
19.7	23.7	27.7	31.7	31.8	30.6	31.1	31.1	30.4	30.9	30.0	29.4
23.9	24.5	25.2	24.9	25.3	24.9	21.9	19.3	17.0	14.9	13.1	11.6
0.7	**0.7**	**0.8**	**0.8**	**1.0**	**1.0**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**14.2**	**14.2**
0.2	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.4	**12.4**	**11.7**	**13.7**	**10.0**	**8.3**	**6.6**	**5.3**	**4.3**	**3.6**	**3.0**	**2.6**
13.4	12.4	11.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	6.9	8.6	6.9	5.2	3.9	2.9	2.2	1.6	1.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.0	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
18.7	**17.9**	**18.6**	**19.1**	**18.8**	**17.7**	**16.7**	**15.8**	**14.8**	**12.6**	**10.6**	**8.5**
2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.0
9.7	7.8	7.1	6.5	5.8	5.0	4.4	3.8	3.3	2.5	1.9	1.4
6.4	7.6	9.0	10.2	10.5	10.3	10.0	9.7	9.2	7.8	6.5	5.1
0.4	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**
0.0	**0.0**	**14.2**	**14.2**	**14.2**	**28.3**	**28.3**	**39.7**	**48.2**	**62.3**	**62.3**	**99.1**
0.0	0.0	14.2	14.2	14.2	28.3	28.3	28.3	28.3	42.5	42.5	56.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	11.3	11.3	11.3	22.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	8.5	8.5	19.8

2019	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
227.0	**199.3**	**178.0**	**168.6**	**176.2**	**171.4**	**164.5**	**157.8**	**152.4**	**146.8**	**141.2**	**135.6**
208.4	**181.6**	**160.3**	**150.9**	**144.3**	**139.5**	**132.7**	**125.9**	**120.5**	**114.9**	**109.3**	**103.8**
26.2	25.4	24.6	23.8	22.9	22.2	21.4	20.7	20.2	19.5	19.0	18.4
24.3	19.1	15.0	13.3	12.1	11.0	9.9	8.8	7.7	6.6	5.5	4.4
98.8	84.7	73.2	70.6	70.0	70.5	68.7	66.5	65.3	63.7	61.9	59.9
18.8	16.8	15.5	14.4	13.3	12.4	11.5	10.8	10.0	9.4	8.8	8.2
14.4	12.9	11.9	11.0	10.2	9.5	8.8	8.2	7.7	7.2	6.7	6.3
22.2	19.5	17.2	15.1	13.3	11.7	10.3	9.1	8.0	7.0	6.2	5.4
3.7	3.3	3.0	2.7	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.2
151.8	**129.8**	**113.6**	**106.2**	**101.2**	**97.6**	**92.7**	**88.0**	**84.3**	**80.5**	**76.8**	**73.2**
23.9	23.1	22.3	21.7	20.9	20.3	19.6	19.0	18.5	17.9	17.4	16.9
16.3	12.2	9.3	8.0	7.3	6.6	5.9	5.3	4.6	4.0	3.3	2.6
66.4	54.3	45.3	42.9	42.3	42.4	41.2	39.9	39.1	38.3	37.2	36.2
18.8	16.8	15.5	14.4	13.3	12.4	11.5	10.8	10.0	9.4	8.8	8.2
14.4	12.9	11.9	11.0	10.2	9.5	8.8	8.2	7.7	7.2	6.7	6.3
12.0	10.6	9.3	8.2	7.2	6.3	5.6	4.9	4.3	3.8	3.3	2.9
46.1	**43.2**	**39.6**	**38.7**	**37.9**	**37.2**	**35.7**	**33.9**	**32.6**	**31.1**	**29.4**	**27.7**
0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
7.0	6.2	5.3	5.0	4.6	4.3	3.9	3.5	3.0	2.6	2.2	1.7
28.6	27.7	26.1	26.5	26.9	27.4	26.9	26.2	25.7	25.1	24.3	23.4
10.2	9.0	7.9	6.9	6.1	5.4	4.7	4.2	3.7	3.2	2.8	2.5
1.1	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**
14.2	**14.2**	**14.2**	**14.2**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.0	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
6.7	**5.2**	**4.1**	**3.3**	**2.8**	**2.5**	**2.3**	**2.2**	**2.0**	**1.9**	**1.8**	**1.7**
2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
0.9	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
3.8	2.7	1.8	1.2	0.9	0.7	0.6	0.5	0.4	0.4	0.3	0.2
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
99.1	**99.1**	**136.0**	**136.0**	**136.0**	**136.0**	**136.0**	**136.0**	**136.0**	**136.0**	**150.1**	**150.1**
56.7	56.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	85.0	85.0
22.7	22.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8

(billion cubic feet per day)	2000	2001	2002	2003	2004	2005	2006
Canada	**17.071**	**17.610**	**17.384**	**16.808**	**17.000**	**17.076**	**17.137**
Western Canada Sedimentary Basin[1]	**16.682**	**17.084**	**16.845**	**16.338**	**16.565**	**16.646**	**16.751**
Solution	1.814	1.786	1.688	1.552	1.556	1.548	1.513
Non Associated	14.494	14.765	14.524	13.915	13.688	11.826	9.412
Additions	0.000	0.000	0.000	0.000	0.000	1.664	3.698
Horseshoe Canyon Coalbed Methane	0.007	0.020	0.031	0.053	0.133	0.295	0.436
Mannville Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000	0.039
Tight	0.367	0.514	0.601	0.818	1.187	1.314	1.642
Shale[2]	0.000	0.000	0.000	0.000	0.000	0.000	0.010
Alberta	**13.894**	**13.927**	**13.515**	**13.122**	**13.215**	**13.251**	**13.293**
Solution	1.630	1.606	1.527	1.411	1.412	1.397	1.368
Non Associated	12.058	11.992	11.597	11.190	11.056	9.535	7.602
Additions	0.000	0.000	0.000	0.000	0.000	1.346	2.995
Horseshoe Canyon Coalbed Methane	0.007	0.020	0.031	0.053	0.133	0.295	0.436
Mannville Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000	0.039
Tight	0.200	0.309	0.359	0.467	0.614	0.678	0.853
British Columbia	**2.089**	**2.410**	**2.605**	**2.464**	**2.584**	**2.642**	**2.710**
Solution	0.112	0.112	0.093	0.075	0.066	0.060	0.052
Non Associated	1.809	2.093	2.270	2.039	1.944	1.705	1.341
Additions	0.000	0.000	0.000	0.000	0.000	0.241	0.528
Tight	0.168	0.205	0.242	0.350	0.573	0.636	0.789
New Brunswick	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Newfoundland	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Northwest Territories	**0.089**	**0.131**	**0.107**	**0.064**	**0.046**	**0.027**	**0.012**
Other	0.089	0.131	0.107	0.064	0.046	0.027	0.012
Mackenzie	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nova Scotia	**0.333**	**0.492**	**0.504**	**0.432**	**0.400**	**0.396**	**0.352**
Sable & Surroundings	0.333	0.492	0.504	0.432	0.400	0.396	0.352
Panuke	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ontario	**0.056**	**0.034**	**0.036**	**0.037**	**0.035**	**0.034**	**0.035**
Saskatchewan	**0.611**	**0.617**	**0.618**	**0.669**	**0.706**	**0.712**	**0.713**
Solution	0.072	0.068	0.068	0.066	0.078	0.091	0.093
Non Associated	0.539	0.548	0.550	0.603	0.628	0.544	0.445
Additions	0.000	0.000	0.000	0.000	0.000	0.077	0.175
Yukon	**0.000**	**0.000**	**0.000**	**0.019**	**0.014**	**0.015**	**0.013**
LNG Import	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
East Coast	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Quebec	0.000	0.000	0.000	0.000	0.000	0.000	0.000
British Columbia	0.000	0.000	0.000	0.000	0.000	0.000	0.000

[1] Includes Alberta, British Columbia, Other Northwest Territories, Saskatchewan and Yukon

[2] No provincial breakdown for production from shale

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
16.568	**16.224**	**16.403**	**16.591**	**15.969**	**15.012**	**14.098**	**13.227**	**12.399**	**10.999**	**10.257**	**9.052**
16.035	**15.725**	**15.925**	**16.043**	**15.544**	**14.649**	**13.790**	**12.965**	**12.171**	**10.797**	**9.574**	**8.383**
1.467	1.424	1.382	1.343	1.306	1.269	1.234	1.200	1.168	1.099	1.034	0.963
7.352	5.921	5.136	4.545	3.948	3.365	2.910	2.522	2.208	1.753	1.409	1.103
4.780	5.750	6.553	7.134	7.148	6.847	6.677	6.448	6.154	5.468	4.802	4.118
0.536	0.562	0.567	0.658	0.710	0.719	0.727	0.733	0.684	0.650	0.655	0.659
0.062	0.167	0.307	0.356	0.384	0.389	0.393	0.397	0.452	0.498	0.501	0.505
1.787	1.832	1.892	1.901	1.923	1.916	1.686	1.484	1.306	1.149	1.011	0.890
0.050	0.069	0.088	0.106	0.125	0.144	0.163	0.181	0.200	0.180	0.162	0.146
12.651	**12.408**	**12.499**	**12.511**	**12.086**	**11.359**	**10.663**	**9.996**	**9.355**	**8.203**	**7.188**	**6.199**
1.330	1.294	1.259	1.224	1.193	1.160	1.129	1.099	1.069	1.006	0.945	0.880
5.921	4.771	4.108	3.594	3.116	2.650	2.273	1.956	1.688	1.327	1.028	0.775
3.860	4.647	5.256	5.657	5.654	5.403	5.227	5.008	4.755	4.101	3.511	2.899
0.536	0.562	0.567	0.658	0.710	0.719	0.727	0.733	0.684	0.650	0.655	0.659
0.062	0.167	0.307	0.356	0.384	0.389	0.393	0.397	0.452	0.498	0.501	0.505
0.942	0.968	1.003	1.022	1.030	1.037	0.913	0.803	0.707	0.622	0.547	0.482
2.653	**2.598**	**2.667**	**2.737**	**2.661**	**2.513**	**2.369**	**2.228**	**2.090**	**1.968**	**1.849**	**1.735**
0.046	0.040	0.035	0.031	0.028	0.025	0.022	0.019	0.017	0.015	0.014	0.012
1.066	0.858	0.764	0.710	0.618	0.530	0.477	0.429	0.401	0.334	0.311	0.277
0.695	0.836	0.978	1.118	1.122	1.080	1.097	1.099	1.073	1.092	1.061	1.037
0.845	0.864	0.890	0.879	0.893	0.879	0.773	0.680	0.599	0.527	0.464	0.408
0.025	**0.025**	**0.030**	**0.030**	**0.035**	**0.035**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.500**	**0.500**
0.008	**0.005**	**0.003**	**0.001**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
0.008	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.473	**0.439**	**0.413**	**0.483**	**0.354**	**0.292**	**0.232**	**0.186**	**0.152**	**0.127**	**0.108**	**0.093**
0.473	0.439	0.388	0.191	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.242	0.304	0.242	0.182	0.136	0.102	0.077	0.058	0.043
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.025	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
0.035	**0.035**	**0.035**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**
0.659	**0.632**	**0.657**	**0.676**	**0.663**	**0.626**	**0.591**	**0.556**	**0.523**	**0.443**	**0.373**	**0.302**
0.091	0.090	0.088	0.087	0.086	0.085	0.083	0.082	0.081	0.078	0.075	0.072
0.344	0.275	0.249	0.229	0.205	0.178	0.154	0.133	0.116	0.089	0.068	0.049
0.224	0.268	0.319	0.360	0.372	0.363	0.354	0.341	0.326	0.276	0.231	0.182
0.013	**0.012**	**0.012**	**0.011**	**0.009**	**0.007**	**0.006**	**0.004**	**0.003**	**0.003**	**0.002**	**0.002**
0.000	**0.000**	**0.500**	**0.500**	**0.500**	**1.000**	**1.000**	**1.400**	**1.700**	**2.200**	**2.200**	**3.500**
0.000	0.000	0.500	0.500	0.500	1.000	1.000	1.000	1.000	1.500	1.500	2.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.400	0.400	0.400	0.800
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.300	0.300	0.300	0.700

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8.013	**7.036**	**6.285**	**5.953**	**6.220**	**6.050**	**5.809**	**5.571**	**5.379**	**5.182**	**4.984**	**4.788**
7.357	**6.410**	**5.659**	**5.328**	**5.094**	**4.924**	**4.683**	**4.445**	**4.254**	**4.057**	**3.859**	**3.663**
0.926	0.895	0.867	0.841	0.809	0.785	0.757	0.732	0.713	0.689	0.669	0.649
0.858	0.673	0.529	0.468	0.425	0.388	0.349	0.311	0.272	0.233	0.193	0.154
3.488	2.988	2.583	2.493	2.472	2.488	2.425	2.349	2.305	2.250	2.184	2.114
0.663	0.592	0.548	0.508	0.471	0.438	0.407	0.380	0.355	0.332	0.310	0.291
0.508	0.454	0.420	0.389	0.361	0.335	0.312	0.291	0.272	0.254	0.238	0.223
0.783	0.689	0.606	0.534	0.470	0.413	0.364	0.320	0.282	0.248	0.218	0.192
0.131	0.118	0.106	0.096	0.086	0.077	0.070	0.063	0.056	0.051	0.046	0.041
5.359	**4.581**	**4.011**	**3.749**	**3.572**	**3.444**	**3.273**	**3.108**	**2.977**	**2.843**	**2.712**	**2.584**
0.844	0.815	0.788	0.766	0.737	0.717	0.692	0.670	0.653	0.632	0.615	0.596
0.576	0.431	0.327	0.284	0.257	0.233	0.209	0.186	0.163	0.140	0.116	0.093
2.345	1.916	1.599	1.514	1.493	1.497	1.456	1.408	1.381	1.351	1.314	1.277
0.663	0.592	0.548	0.508	0.471	0.438	0.407	0.380	0.355	0.332	0.310	0.291
0.508	0.454	0.420	0.389	0.361	0.335	0.312	0.291	0.272	0.254	0.238	0.223
0.424	0.373	0.328	0.289	0.254	0.224	0.197	0.173	0.152	0.134	0.118	0.104
1.627	**1.525**	**1.398**	**1.366**	**1.336**	**1.314**	**1.258**	**1.198**	**1.149**	**1.096**	**1.039**	**0.978**
0.011	0.011	0.010	0.009	0.008	0.007	0.006	0.005	0.004	0.004	0.003	0.003
0.248	0.220	0.188	0.176	0.163	0.151	0.137	0.122	0.107	0.092	0.076	0.060
1.009	0.978	0.922	0.937	0.950	0.967	0.949	0.923	0.908	0.887	0.860	0.828
0.359	0.316	0.278	0.245	0.215	0.189	0.167	0.147	0.129	0.114	0.100	0.088
0.040	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**
0.500	**0.500**	**0.500**	**0.500**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.081	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**	**0.050**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
0.036	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.035**	**0.035**	**0.035**	**0.035**	**0.035**	**0.035**
0.238	**0.185**	**0.144**	**0.116**	**0.099**	**0.089**	**0.082**	**0.077**	**0.072**	**0.067**	**0.063**	**0.059**
0.071	0.070	0.068	0.066	0.064	0.061	0.059	0.057	0.055	0.053	0.052	0.050
0.033	0.021	0.013	0.008	0.005	0.004	0.003	0.002	0.002	0.001	0.001	0.001
0.134	0.094	0.063	0.042	0.030	0.024	0.020	0.017	0.015	0.013	0.010	0.009
0.001	**0.001**	**0.001**	**0.001**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
3.500	**3.500**	**4.800**	**4.800**	**4.800**	**4.800**	**4.800**	**4.800**	**4.800**	**4.800**	**5.300**	**5.300**
2.000	2.000	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	3.000	3.000
0.800	0.800	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600
0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700

Table A4.4: Natural Gas, Fortified Islands, Production Outlook

(million cubic metres per day)	2000	2001	2002	2003	2004	2005
Canada	**483.6**	**498.9**	**492.5**	**476.1**	**481.6**	**483.7**
Western Canada Sedimentary Basin[1]	**472.6**	**484.0**	**477.2**	**462.8**	**469.3**	**471.6**
Solution	51.4	50.6	47.8	44.0	44.1	43.9
Non Associated	410.6	418.2	411.4	394.2	387.8	335.0
Additions	0.0	0.0	0.0	0.0	0.0	47.1
Horseshoe Canyon Coalbed Methane	0.2	0.6	0.9	1.5	3.8	8.4
Mannville Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0
Tight	10.4	14.6	17.0	23.2	33.6	37.2
Shale[2]	0.0	0.0	0.0	0.0	0.0	0.0
Alberta	**393.6**	**394.5**	**382.8**	**371.7**	**374.4**	**375.4**
Solution	46.2	45.5	43.3	40.0	40.0	39.6
Non Associated	341.6	339.7	328.5	317.0	313.2	270.1
Additions	0.0	0.0	0.0	0.0	0.0	38.1
Horseshoe Canyon Coalbed Methane	0.2	0.6	0.9	1.5	3.8	8.4
Mannville Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0
Tight	5.7	8.8	10.2	13.2	17.4	19.2
Arctic	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
British Columbia	**59.2**	**68.3**	**73.8**	**69.8**	**73.2**	**74.8**
Solution	3.2	3.2	2.6	2.1	1.9	1.7
Non Associated	51.2	59.3	64.3	57.8	55.1	48.3
Additions	0.0	0.0	0.0	0.0	0.0	6.8
Tight	4.8	5.8	6.9	9.9	16.2	18.0
New Brunswick	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Newfoundland and Labrador	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Newfoundland	0.0	0.0	0.0	0.0	0.0	0.0
Labrador	0.0	0.0	0.0	0.0	0.0	0.0
Northwest Territories	**2.5**	**3.7**	**3.0**	**1.8**	**1.3**	**0.8**
Other	2.5	3.7	3.0	1.8	1.3	0.8
Mackenzie	0.0	0.0	0.0	0.0	0.0	0.0
Nova Scotia	**9.4**	**13.9**	**14.3**	**12.2**	**11.3**	**11.2**
Sable & Surroundings	9.4	13.9	14.3	12.2	11.3	11.2
Panuke	0.0	0.0	0.0	0.0	0.0	0.0
Deep	0.0	0.0	0.0	0.0	0.0	0.0
Coalbed Methane	0.0	0.0	0.0	0.0	0.0	0.0
Ontario	**1.6**	**1.0**	**1.0**	**1.1**	**1.0**	**0.9**
Saskatchewan	**17.3**	**17.5**	**17.5**	**19.0**	**20.0**	**20.2**
Solution	2.0	1.9	1.9	1.9	2.2	2.6
Non Associated	15.3	15.5	15.6	17.1	17.8	15.4
Additions	0.0	0.0	0.0	0.0	0.0	2.2
Yukon	**0.0**	**0.0**	**0.0**	**0.5**	**0.4**	**0.4**
LNG Imports	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
East Coast	0.0	0.0	0.0	0.0	0.0	0.0
Quebec	0.0	0.0	0.0	0.0	0.0	0.0
British Columbia	0.0	0.0	0.0	0.0	0.0	0.0

2006	2007	2008	2009	2010	2011	2012	2013	2014
485.5	**469.3**	**460.6**	**467.3**	**477.8**	**480.0**	**481.5**	**483.8**	**487.1**
474.5	**454.2**	**446.5**	**453.7**	**462.2**	**468.0**	**471.2**	**475.1**	**479.7**
42.8	41.6	40.3	39.2	38.0	37.0	36.0	35.0	34.0
266.6	208.3	167.8	144.6	128.9	117.0	107.5	98.9	93.2
104.8	135.4	162.8	186.6	205.6	216.8	224.6	225.1	227.2
12.4	15.2	16.7	17.8	21.3	25.5	29.1	33.1	37.5
1.1	1.7	5.0	9.6	11.5	13.8	15.8	17.9	20.3
46.5	50.6	51.9	53.6	53.9	54.5	54.3	60.5	62.3
0.3	1.4	1.9	2.5	3.0	3.5	4.1	4.6	5.1
376.5	**358.4**	**352.5**	**356.7**	**361.3**	**365.3**	**367.4**	**370.2**	**373.7**
38.7	37.7	36.7	35.7	34.7	33.8	32.9	32.0	31.1
215.3	167.7	135.2	115.6	101.9	92.1	84.1	77.6	72.9
84.8	109.3	131.5	149.6	163.0	171.0	176.2	176.9	178.1
12.4	15.2	16.7	17.8	21.3	25.5	29.1	33.1	37.5
1.1	1.7	5.0	9.6	11.5	13.8	15.8	17.9	20.3
24.2	26.7	27.4	28.4	29.0	29.2	29.4	32.7	33.7
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
76.8	**75.2**	**73.6**	**75.6**	**78.3**	**79.3**	**79.9**	**80.5**	**81.1**
1.5	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5
38.0	30.2	24.3	21.5	20.2	18.6	17.5	15.9	15.1
15.0	19.7	23.7	27.8	32.3	34.6	36.7	36.2	36.9
22.3	23.9	24.5	25.2	24.9	25.3	24.9	27.7	28.6
0.0	**0.7**	**0.7**	**0.8**	**0.8**	**1.0**	**1.0**	**1.1**	**1.1**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	**0.2**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	**13.4**	**12.4**	**11.7**	**13.7**	**10.0**	**8.3**	**6.6**	**5.3**
10.0	13.4	12.4	11.0	5.4	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	6.9	8.6	6.9	5.2	3.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.7	1.4	1.4	1.4	1.4	1.4
1.0	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
20.2	**18.7**	**17.9**	**18.6**	**19.3**	**19.6**	**19.6**	**19.6**	**19.6**
2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.3
12.6	9.7	7.8	7.0	6.5	6.0	5.6	5.3	5.0
5.0	6.4	7.6	9.1	10.4	11.2	11.7	12.0	12.3
0.4	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**
0.0	**0.0**	**0.0**	**14.2**	**14.2**	**14.2**	**14.2**	**14.2**	**14.2**
0.0	0.0	0.0	14.2	14.2	14.2	14.2	14.2	14.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2015	2016	2017	2018	2019	2020	2021	2022	2023
528.3	**539.0**	**538.6**	**549.2**	**543.6**	**567.4**	**563.3**	**571.0**	**577.9**
485.0	**485.1**	**485.3**	**482.1**	**476.8**	**467.5**	**449.3**	**442.8**	**435.5**
33.1	31.1	29.3	27.3	26.2	25.4	24.6	23.8	22.9
89.0	83.3	77.5	72.1	67.1	62.3	56.6	54.5	52.6
227.9	225.9	222.7	216.3	207.4	197.4	184.2	178.6	171.9
39.3	36.4	35.9	35.7	35.7	35.8	35.9	36.0	36.0
26.0	37.0	46.0	53.0	58.8	62.0	62.0	62.2	62.3
64.1	62.2	60.4	58.5	56.8	55.1	53.4	51.8	50.3
5.7	9.1	13.6	19.0	24.7	29.7	32.7	35.9	39.5
377.9	**374.9**	**370.9**	**362.9**	**352.8**	**339.8**	**321.8**	**310.3**	**297.7**
30.3	28.5	26.8	24.9	23.9	23.1	22.3	21.7	20.9
69.5	64.4	59.2	54.4	49.8	45.3	40.6	38.0	35.4
178.2	174.9	170.4	163.2	153.9	143.8	132.1	124.5	115.9
39.3	36.4	35.9	35.7	35.7	35.8	35.9	36.0	36.0
26.0	37.0	46.0	53.0	58.8	62.0	62.0	62.2	62.3
34.7	33.7	32.7	31.7	30.7	29.8	28.9	28.1	27.2
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**14.2**	**14.2**
81.7	**81.9**	**82.1**	**82.1**	**82.0**	**81.7**	**79.5**	**82.4**	**85.4**
0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2
14.5	14.3	13.9	13.7	13.6	13.5	12.9	13.6	14.5
37.3	38.7	40.1	41.2	42.0	42.7	41.9	44.7	47.6
29.4	28.5	27.7	26.8	26.0	25.3	24.5	23.8	23.1
1.1	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**
14.2	**14.2**	**14.2**	**28.3**	**28.3**	**28.3**	**42.5**	**42.5**	**42.5**
14.2	14.2	14.2	28.3	28.3	28.3	28.3	28.3	28.3
0.0	0.0	0.0	0.0	0.0	0.0	14.2	14.2	14.2
22.7	**34.0**	**34.0**	**34.0**	**34.0**	**53.8**	**53.8**	**53.8**	**53.8**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.7	34.0	34.0	34.0	34.0	53.8	53.8	53.8	53.8
4.3	**3.6**	**3.0**	**2.6**	**2.3**	**15.6**	**15.6**	**15.6**	**29.7**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.9	2.2	1.6	1.2	0.9	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	14.2	14.2	14.2	28.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.0	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
19.6	**19.1**	**18.6**	**17.9**	**17.2**	**16.3**	**15.3**	**14.1**	**12.8**
2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.9	1.8
4.9	4.6	4.2	4.0	3.7	3.4	3.1	2.9	2.6
12.5	12.4	12.2	11.9	11.5	10.9	10.2	9.4	8.4
0.1	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2024	2025	2026	2027	2028	2029	2030
585.4	**587.6**	**574.2**	**563.5**	**565.6**	**552.8**	**539.9**
428.8	**416.9**	**403.5**	**392.8**	**381.5**	**369.9**	**358.1**
22.2	21.4	20.7	20.2	19.5	19.0	18.4
50.6	48.6	46.9	45.5	44.1	42.6	41.1
165.6	153.4	141.5	133.1	124.7	116.1	107.4
35.9	36.0	36.0	36.0	36.0	35.9	35.9
62.2	62.3	62.2	62.3	62.2	62.1	62.1
48.8	47.3	45.9	44.5	43.2	41.9	40.6
43.5	47.8	50.2	51.2	51.7	52.3	52.8
284.9	**268.8**	**254.0**	**242.6**	**231.7**	**221.4**	**211.7**
20.3	19.6	19.0	18.5	17.9	17.4	16.9
32.8	30.1	27.9	25.9	24.1	22.4	20.7
107.3	95.2	84.1	75.8	68.1	60.9	54.1
35.9	36.0	36.0	36.0	36.0	35.9	35.9
62.2	62.3	62.2	62.3	62.2	62.1	62.1
26.4	25.6	24.8	24.1	23.4	22.7	22.0
28.3	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**	**28.3**
88.9	**90.1**	**90.5**	**91.5**	**91.7**	**91.0**	**89.4**
0.2	0.2	0.1	0.1	0.1	0.1	0.1
15.5	16.4	17.2	18.1	18.8	19.3	19.6
50.8	51.8	52.0	52.9	53.0	52.4	51.2
22.4	21.7	21.0	20.4	19.8	19.2	18.6
1.1	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**	**1.1**
42.5	**42.5**	**42.5**	**42.5**	**42.5**	**42.5**	**42.5**
28.3	28.3	28.3	28.3	28.3	28.3	28.3
14.2	14.2	14.2	14.2	14.2	14.2	14.2
53.8	**68.0**	**68.0**	**68.0**	**68.0**	**68.0**	**68.0**
0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.8	68.0	68.0	68.0	68.0	68.0	68.0
29.7	**29.7**	**29.7**	**29.7**	**43.2**	**42.0**	**40.9**
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.3	28.3	28.3	28.3	41.8	40.6	39.5
1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.0	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**
11.5	**10.2**	**8.8**	**7.6**	**6.4**	**5.3**	**4.3**
1.7	1.7	1.6	1.6	1.5	1.5	1.4
2.3	2.0	1.8	1.5	1.3	1.0	0.8
7.5	6.5	5.4	4.5	3.6	2.8	2.1
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
0.0	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(billion cubic feet per day)	2000	2001	2002	2003	2004	2005
Canada	**17.071**	**17.610**	**17.384**	**16.808**	**17.000**	**17.076**
Western Canada Sedimentary Basin[1]	**16.682**	**17.084**	**16.845**	**16.338**	**16.565**	**16.646**
Solution	1.814	1.786	1.688	1.552	1.556	1.548
Non Associated	14.494	14.765	14.524	13.915	13.688	11.826
Additions	0.000	0.000	0.000	0.000	0.000	1.664
Horseshoe Canyon Coalbed Methane	0.007	0.020	0.031	0.053	0.133	0.295
Mannville Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000
Tight	0.367	0.514	0.601	0.818	1.187	1.314
Shale[2]	0.000	0.000	0.000	0.000	0.000	0.000
Alberta	**13.894**	**13.927**	**13.515**	**13.122**	**13.215**	**13.251**
Solution	1.630	1.606	1.527	1.411	1.412	1.397
Non Associated	12.058	11.992	11.597	11.190	11.056	9.535
Additions	0.000	0.000	0.000	0.000	0.000	1.346
Horseshoe Canyon Coalbed Methane	0.007	0.020	0.031	0.053	0.133	0.295
Mannville Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000
Tight	0.200	0.309	0.359	0.467	0.614	0.678
Arctic	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
British Columbia	**2.089**	**2.410**	**2.605**	**2.464**	**2.584**	**2.642**
Solution	0.112	0.112	0.093	0.075	0.066	0.060
Non Associated	1.809	2.093	2.270	2.039	1.944	1.705
Additions	0.000	0.000	0.000	0.000	0.000	0.241
Tight	0.168	0.205	0.242	0.350	0.573	0.636
New Brunswick	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Newfoundland	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Newfoundland	0.000	0.000	0.000	0.000	0.000	0.000
Labrador	0.000	0.000	0.000	0.000	0.000	0.000
Northwest Territories	**0.089**	**0.131**	**0.107**	**0.064**	**0.046**	**0.027**
Other	0.089	0.131	0.107	0.064	0.046	0.027
Mackenzie	0.000	0.000	0.000	0.000	0.000	0.000
Nova Scotia	**0.333**	**0.492**	**0.504**	**0.432**	**0.400**	**0.396**
Sable & Surroundings	0.333	0.492	0.504	0.432	0.400	0.396
Panuke	0.000	0.000	0.000	0.000	0.000	0.000
Deep	0.000	0.000	0.000	0.000	0.000	0.000
Coalbed Methane	0.000	0.000	0.000	0.000	0.000	0.000
Ontario	**0.056**	**0.034**	**0.036**	**0.037**	**0.035**	**0.034**
Saskatchewan	**0.611**	**0.617**	**0.618**	**0.669**	**0.706**	**0.712**
Solution	0.072	0.068	0.068	0.066	0.078	0.091
Non Associated	0.539	0.548	0.550	0.603	0.628	0.544
Additions	0.000	0.000	0.000	0.000	0.000	0.077
Yukon	**0.000**	**0.000**	**0.000**	**0.019**	**0.014**	**0.015**
LNG Import	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
East Coast	0.000	0.000	0.000	0.000	0.000	0.000
Quebec	0.000	0.000	0.000	0.000	0.000	0.000
British Columbia	0.000	0.000	0.000	0.000	0.000	0.000

[1] Includes Alberta, British Columbia, Other Northwest Territories, Saskatchewan and Yukon

[2] No provincial breakdown for production from shale

2006	2007	2008	2009	2010	2011	2012	2013	2014
17.137	**16.568**	**16.260**	**16.496**	**16.866**	**16.945**	**16.998**	**17.079**	**17.196**
16.751	**16.035**	**15.761**	**16.017**	**16.318**	**16.521**	**16.635**	**16.772**	**16.934**
1.513	1.467	1.424	1.382	1.343	1.306	1.269	1.234	1.200
9.412	7.352	5.925	5.103	4.550	4.129	3.793	3.492	3.291
3.698	4.780	5.747	6.586	7.259	7.652	7.928	7.946	8.021
0.436	0.536	0.590	0.627	0.751	0.899	1.028	1.170	1.325
0.039	0.062	0.176	0.339	0.407	0.487	0.556	0.633	0.717
1.642	1.787	1.832	1.892	1.901	1.923	1.916	2.134	2.198
0.010	0.050	0.069	0.088	0.106	0.125	0.144	0.163	0.181
13.293	**12.651**	**12.444**	**12.591**	**12.755**	**12.894**	**12.970**	**13.069**	**13.192**
1.368	1.330	1.294	1.259	1.224	1.193	1.160	1.129	1.099
7.602	5.921	4.773	4.081	3.597	3.250	2.969	2.738	2.575
2.995	3.860	4.644	5.282	5.753	6.037	6.219	6.243	6.286
0.436	0.536	0.590	0.627	0.751	0.899	1.028	1.170	1.325
0.039	0.062	0.176	0.339	0.407	0.487	0.556	0.633	0.717
0.853	0.942	0.968	1.003	1.022	1.030	1.037	1.156	1.190
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
2.710	**2.653**	**2.598**	**2.667**	**2.763**	**2.799**	**2.820**	**2.841**	**2.863**
0.052	0.046	0.040	0.035	0.031	0.028	0.025	0.022	0.019
1.341	1.066	0.859	0.759	0.713	0.657	0.619	0.561	0.533
0.528	0.695	0.835	0.983	1.140	1.221	1.297	1.279	1.302
0.789	0.845	0.864	0.890	0.879	0.893	0.879	0.979	1.008
0.000	**0.025**	**0.025**	**0.030**	**0.030**	**0.035**	**0.035**	**0.040**	**0.040**
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.012	**0.008**	**0.005**	**0.003**	**0.001**	**0.000**	**0.000**	**0.000**	**0.000**
0.012	0.008	0.005	0.003	0.001	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.352	**0.473**	**0.439**	**0.413**	**0.483**	**0.354**	**0.292**	**0.232**	**0.186**
0.352	0.473	0.439	0.388	0.191	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.242	0.304	0.242	0.182	0.136
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.025	0.050	0.050	0.050	0.050	0.050
0.035	**0.035**	**0.035**	**0.035**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**
0.713	**0.659**	**0.632**	**0.657**	**0.681**	**0.693**	**0.693**	**0.693**	**0.693**
0.093	0.091	0.090	0.088	0.087	0.086	0.085	0.083	0.082
0.445	0.344	0.275	0.248	0.229	0.212	0.197	0.186	0.177
0.175	0.224	0.268	0.321	0.366	0.395	0.412	0.424	0.433
0.013	**0.013**	**0.012**	**0.012**	**0.011**	**0.010**	**0.008**	**0.007**	**0.006**
0.000	**0.000**	**0.000**	**0.500**	**0.500**	**0.500**	**0.500**	**0.500**	**0.500**
0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.500	0.500
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2015	2016	2017	2018	2019	2020	2021	2022	2023
18.650	**19.026**	**19.014**	**19.386**	**19.189**	**20.031**	**19.887**	**20.157**	**20.399**
17.122	**17.124**	**17.131**	**17.018**	**16.832**	**16.505**	**15.861**	**15.631**	**15.374**
1.168	1.099	1.034	0.963	0.926	0.895	0.867	0.841	0.809
3.142	2.942	2.736	2.546	2.370	2.198	1.998	1.924	1.855
8.045	7.976	7.862	7.636	7.322	6.967	6.501	6.303	6.070
1.386	1.286	1.266	1.261	1.262	1.265	1.266	1.269	1.271
0.917	1.305	1.623	1.872	2.074	2.188	2.190	2.196	2.199
2.264	2.196	2.130	2.067	2.005	1.944	1.886	1.830	1.775
0.200	0.320	0.480	0.672	0.874	1.048	1.153	1.268	1.395
13.341	**13.233**	**13.093**	**12.811**	**12.455**	**11.996**	**11.360**	**10.955**	**10.510**
1.069	1.006	0.945	0.880	0.844	0.815	0.788	0.766	0.737
2.453	2.274	2.091	1.919	1.757	1.600	1.432	1.340	1.250
6.289	6.174	6.015	5.761	5.433	5.076	4.663	4.394	4.092
1.386	1.286	1.266	1.261	1.262	1.265	1.266	1.269	1.271
0.917	1.305	1.623	1.872	2.074	2.188	2.190	2.196	2.199
1.226	1.189	1.153	1.119	1.085	1.053	1.021	0.990	0.961
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.500**	**0.500**
2.884	**2.892**	**2.898**	**2.899**	**2.895**	**2.884**	**2.807**	**2.909**	**3.015**
0.017	0.015	0.014	0.012	0.011	0.011	0.010	0.009	0.008
0.513	0.503	0.492	0.485	0.480	0.475	0.454	0.482	0.513
1.316	1.366	1.415	1.455	1.484	1.507	1.479	1.579	1.680
1.038	1.007	0.977	0.948	0.919	0.892	0.865	0.839	0.814
0.040	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**
0.500	**0.500**	**0.500**	**1.000**	**1.000**	**1.000**	**1.500**	**1.500**	**1.500**
0.500	0.500	0.500	1.000	1.000	1.000	1.000	1.000	1.000
0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.500
0.800	**1.200**	**1.200**	**1.200**	**1.200**	**1.900**	**1.900**	**1.900**	**1.900**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.800	1.200	1.200	1.200	1.200	1.900	1.900	1.900	1.900
0.152	**0.127**	**0.108**	**0.093**	**0.081**	**0.550**	**0.550**	**0.550**	**1.050**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.102	0.077	0.058	0.043	0.031	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.500	1.000
0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
0.036	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**	**0.036**
0.692	**0.675**	**0.656**	**0.633**	**0.606**	**0.575**	**0.538**	**0.497**	**0.453**
0.081	0.078	0.075	0.072	0.071	0.070	0.068	0.066	0.064
0.172	0.161	0.150	0.140	0.131	0.121	0.110	0.101	0.091
0.440	0.436	0.431	0.421	0.405	0.384	0.360	0.330	0.298
0.005	**0.004**	**0.003**	**0.003**	**0.002**	**0.002**	**0.002**	**0.001**	**0.001**
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2024	2025	2026	2027	2028	2029	2030
20.664	**20.743**	**20.270**	**19.893**	**19.967**	**19.514**	**19.060**
15.138	**14.717**	**14.245**	**13.868**	**13.467**	**13.057**	**12.643**
0.785	0.757	0.732	0.713	0.689	0.669	0.649
1.787	1.716	1.657	1.607	1.559	1.505	1.449
5.847	5.417	4.997	4.699	4.402	4.097	3.790
1.268	1.271	1.270	1.271	1.270	1.268	1.266
2.194	2.199	2.197	2.199	2.197	2.194	2.191
1.721	1.670	1.620	1.571	1.524	1.478	1.434
1.535	1.688	1.773	1.808	1.826	1.845	1.863
10.058	**9.491**	**8.966**	**8.563**	**8.180**	**7.814**	**7.472**
0.717	0.692	0.670	0.653	0.632	0.615	0.596
1.158	1.064	0.984	0.915	0.851	0.789	0.731
3.789	3.361	2.968	2.675	2.404	2.148	1.911
1.268	1.271	1.270	1.271	1.270	1.268	1.266
2.194	2.199	2.197	2.199	2.197	2.194	2.191
0.932	0.904	0.877	0.851	0.825	0.800	0.776
1.000	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**
3.138	**3.179**	**3.194**	**3.229**	**3.236**	**3.212**	**3.156**
0.007	0.006	0.005	0.004	0.004	0.003	0.003
0.548	0.579	0.609	0.638	0.662	0.680	0.690
1.793	1.828	1.837	1.866	1.871	1.851	1.806
0.789	0.766	0.743	0.721	0.699	0.678	0.658
0.040	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**	**0.040**
1.500	**1.500**	**1.500**	**1.500**	**1.500**	**1.500**	**1.500**
1.000	1.000	1.000	1.000	1.000	1.000	1.000
0.500	0.500	0.500	0.500	0.500	0.500	0.500
1.900	**2.400**	**2.400**	**2.400**	**2.400**	**2.400**	**2.400**
0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.900	2.400	2.400	2.400	2.400	2.400	2.400
1.050	**1.050**	**1.050**	**1.050**	**1.525**	**1.482**	**1.443**
0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.000	1.000	1.000	1.000	1.475	1.432	1.393
0.050	0.050	0.050	0.050	0.050	0.050	0.050
0.036	**0.035**	**0.035**	**0.035**	**0.035**	**0.035**	**0.035**
0.406	**0.359**	**0.312**	**0.267**	**0.224**	**0.186**	**0.151**
0.061	0.059	0.057	0.055	0.053	0.052	0.050
0.081	0.072	0.064	0.054	0.045	0.036	0.028
0.264	0.228	0.192	0.158	0.126	0.098	0.073
0.001	**0.001**	**0.001**	**0.001**	**0.000**	**0.000**	**0.000**
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix 5
Electricity

Table 5.1 Capacity by Plant Type, Continuing Trends

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	5 361	6 188	6 922	7 119	7 216	7 328	7 480	7 662	8 169	8 262
Oil/Gas Steam Turbine	8 005	7 345	7 345	7 345	7 345	7 509	7 434	6 744	6 587	6 197
Oil/Gas Combined Cycle	4 821	4 911	4 911	7 471	7 691	7 691	8 374	8 984	9 234	9 844
Coal	17 404	16 256	16 256	16 309	15 373	13 912	13 572	13 489	12 999	12 205
Nuclear	13 345	13 345	13 345	13 345	14 170	14 995	14 996	14 995	14 995	14 995
Biomass / Landfill Gas / Waste / CHP	1 658	1 658	1 751	1 834	1 932	2 030	2 128	2 226	2 314	2 392
Wind	494	800	2 121	3 494	4 636	5 778	6 920	8 062	9 200	10 338
Hydro / Wave / Tidal	71 757	72 397	72 979	73 599	74 377	74 908	74 920	76 188	76 653	76 653
Alberta Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	1 506	1 826	2 071	2 256	2 341	2 441	2 581	2 751	2 836	2 921
Oil/Gas Steam Turbine	1 166	506	506	506	506	360	285	285	285	285
Oil/Gas Combined Cycle	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714
Coal	6 107	6 107	6 107	6 160	6 213	6 266	6 416	6 472	6 472	6 168
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	203	203	218	223	228	233	238	243	248	253
Wind	275	275	405	535	665	795	925	1 055	1 185	1 315
Hydro / Wave / Tidal	879	879	879	979	979	979	979	979	979	979
British Columbia Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	260	260	260	260	260	260	260	260	260	260
Oil/Gas Steam Turbine	1 093	1 093	1 093	1 093	1 093	1 093	1 093	935	778	620
Oil/Gas Combined Cycle	293	293	293	293	293	293	293	543	793	1 043
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	555	555	575	605	645	685	725	765	795	815
Wind	0	0	70	140	210	280	350	420	490	560
Hydro / Wave / Tidal	12 420	12 818	12 818	12 818	12 818	12 926	12 926	12 926	13 391	13 391
Manitoba Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	384	384	384	384	384	384	384	384	384	384
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	98	98	98	98	98	98	98	98	98	98
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	22	22	27	32	37	42	47	52	57	62
Wind	0	0	70	140	210	280	350	420	490	560
Hydro / Wave / Tidal	5 029	5 029	5 029	5 029	5 029	5 029	5 029	5 229	5 229	5 229

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 400	8 453	8 631	8 724	8 728	8 837	8 837	8 926	8 930	9 019	9 084	9 169	9 173	9 258	9 278	9 363
5 887	5 729	5 354	5 354	5 354	5 204	5 204	5 204	4 894	3 844	3 844	3 844	3 844	3 629	3 629	3 629
10 454	10 704	10 954	10 954	10 954	11 134	11 134	11 134	11 134	11 134	11 134	11 134	11 134	11 494	11 494	11 494
11 129	10 131	10 191	10 169	10 219	10 206	10 138	10 070	10 462	10 462	10 462	10 462	10 462	10 462	10 462	10 462
15 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	17 995	17 995	17 995	17 995	18 455	18 455	18 915
2 470	2 540	2 602	2 657	2 704	2 743	2 782	2 821	2 860	2 899	2 938	2 977	3 016	3 055	3 096	3 135
11 431	12 445	13 379	14 243	15 079	15 891	16 698	17 510	18 321	19 133	19 940	20 748	21 559	22 367	23 174	23 982
79 331	79 706	80 081	81 956	82 331	82 331	83 711	83 711	83 711	83 711	83 711	83 711	83 711	83 711	83 711	83 711
3 006	3 006	3 176	3 261	3 261	3 346	3 346	3 431	3 431	3 516	3 516	3 601	3 601	3 686	3 686	3 771
285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714
6 168	6 168	5 868	5 928	5 928	5 860	5 792	5 724	5 651	5 651	5 651	5 651	5 651	5 651	5 651	5 651
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258	263	267	270	273	276	278	281	283	286	288	291	293	296	298	301
1 415	1 485	1 525	1 545	1 565	1 585	1 605	1 625	1 645	1 665	1 685	1 705	1 725	1 745	1 765	1 785
979	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979
260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
463	305	143	143	143	143	143	143	143	143	143	143	143	143	143	143
1 293	1 543	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
835	853	869	883	895	905	915	925	935	945	955	965	975	985	995	1 005
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
13 809	13 809	13 809	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709
384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	72	76	79	82	85	87	90	92	95	97	100	102	105	107	110
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
5 229	5 229	5 229	5 829	5 829	5 829	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	373	373	373	373	373	373	373	373	373	373
Oil/Gas Steam Turbine	1 491	1 491	1 491	1 491	1 491	1 491	1 491	1 478	1 478	1 478
Oil/Gas Combined Cycle	260	260	260	260	260	260	260	260	260	260
Coal	541	541	541	541	541	541	541	480	480	480
Nuclear	680	680	680	680	680	680	680	680	680	680
Biomass / Landfill Gas / Waste / CHP	160	160	165	170	175	180	185	190	195	200
Wind	0	0	40	80	120	160	200	240	280	320
Hydro / Wave / Tidal	928	928	928	928	928	928	928	928	928	928
Newfoundland and Labrador Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	229	229	229	229	229	229	229	229	229	229
Oil/Gas Steam Turbine	490	490	490	490	490	490	490	150	150	150
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	360	360	360
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	5	5	10	15	20	25	30	35
Wind	0	0	5	5	10	15	20	25	30	35
Hydro / Wave / Tidal	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778
Nova Scotia Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	320	320	320	320	320	320	320	320	320	320
Oil/Gas Steam Turbine	350	350	350	350	350	350	350	171	171	171
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	1 280	1 280	1 280	1 280	1 280	1 280	1 280	1 524	1 524	1 524
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	51	51	56	61	66	71	76	81	86	91
Wind	55	55	90	125	160	195	230	265	300	335
Hydro / Wave / Tidal	408	408	408	408	408	408	408	408	408	408
Nunavut Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	54	54	58	66	74	82	90	98	106	114
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	4	12	20	28	36	44	52
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Northwest Territories Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	163	163	163	163	163	163	163	163	163	163
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0	0
Hydro / Wave / Tidal	59	59	59	59	59	59	59	59	59	59

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
373	373	373	373	373	373	373	373	373	373	373	373	373	373	373	373
1 478	1 478	1 265	1 265	1 265	1 265	1 265	1 265	1 265	215	215	215	215	0	0	0
260	260	260	260	260	260	260	260	260	260	260	260	260	620	620	620
480	480	840	840	840	840	840	840	840	840	840	840	840	840	840	840
680	680	680	680	680	680	680	680	680	1 680	1 680	1 680	1 680	1 680	1 680	1 680
205	210	214	217	220	223	225	228	230	233	235	238	240	243	245	248
360	390	410	420	430	440	450	460	470	480	490	500	510	520	530	540
928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928
229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
150	150	150	150	150	0	0	0	0	0	0	0	0	0	0	0
360	360	360	360	360	540	540	540	540	540	540	540	540	540	540	540
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	45	49	52	55	58	60	63	65	68	70	73	75	78	80	83
40	45	49	52	55	58	60	63	65	68	70	73	75	78	80	83
9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038
320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360
1 368	1 368	1 368	1 368	1 418	1 418	1 418	1 418	1 468	1 468	1 468	1 468	1 468	1 468	1 468	1 468
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	101	105	108	111	114	116	119	121	124	126	129	131	134	139	141
355	370	380	385	390	395	400	405	410	415	420	425	430	435	440	445
408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
122	130	138	146	150	154	154	158	162	166	166	166	170	170	170	170
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	68	76	84	88	92	92	96	100	104	104	104	108	108	108	108
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	253	253	253	253	253	253	253	253	253	298	298	298	298	298	298
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	588	588	1 073	1 073	1 073	1 073	1 073	1 073	1 487	1 487
Oil/Gas Steam Turbine	2 478	2 478	2 478	2 478	2 478	2 788	2 788	2 788	2 788	2 788
Oil/Gas Combined Cycle	2 072	2 162	2 162	4 722	4 942	4 942	5 625	5 625	5 625	5 625
Coal	7 589	6 441	6 441	6 441	5 452	3 938	3 448	2 958	2 468	1 978
Nuclear	11 990	11 990	11 990	11 990	12 815	13 640	13 640	13 640	13 640	13 640
Biomass / Landfill Gas / Waste / CHP	299	299	314	324	334	344	354	364	374	384
Wind	15	320	866	1 326	1 546	1 766	1 986	2 206	2 426	2 646
Hydro / Wave / Tidal	8 444	8 450	8 450	8 470	8 701	8 851	8 851	8 851	8 851	8 851
Prince Edward Island Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	102	102	102	102	102	102	102	102	102	102
Oil/Gas Steam Turbine	65	65	65	65	65	65	65	65	65	65
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	2	2	3	4	5	6	7	8	9	10
Wind	14	14	34	54	74	94	114	134	154	174
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Quebec Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	1 023	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530
Oil/Gas Steam Turbine	600	600	600	600	600	600	600	600	600	600
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	675	675	675	675	675	675	675	675	675	675
Biomass / Landfill Gas / Waste / CHP	302	302	322	342	362	382	402	422	442	462
Wind	113	113	478	978	1 478	1 978	2 478	2 978	3 478	3 978
Hydro / Wave / Tidal	35 882	36 119	36 701	37 201	37 748	38 021	38 033	39 076	39 076	39 076
Saskatchewan Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	315	315	315	315	315	315	315	315	315	315
Oil/Gas Steam Turbine	274	274	274	274	274	274	274	274	274	42
Oil/Gas Combined Cycle	482	482	482	482	482	482	482	482	482	842
Coal	1 790	1 790	1 790	1 790	1 790	1 790	1 790	1 958	1 958	1 958
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	63	63	65	67	69	71	73	75	77	79
Wind	22	22	62	102	142	182	222	262	302	342
Hydro / Wave / Tidal	853	853	853	853	853	853	853	878	878	878
Yukon Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	45	45	45	49	53	57	61	65	65	65
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	1	1	1	5	9	13	17	21	21	21
Hydro / Wave / Tidal	77	77	77	77	77	77	77	77	77	77

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487
2 788	2 788	2 788	2 788	2 788	2 788	2 788	2 788	2 478	2 478	2 478	2 478	2 478	2 478	2 478	2 478
5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625
998	0	0	0	0	0	0	0	360	360	360	360	360	360	360	360
14 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	16 100	16 100	16 560
394	403	411	418	424	429	434	439	444	449	454	459	464	469	474	479
2 866	3 064	3 240	3 394	3 526	3 636	3 746	3 856	3 966	4 076	4 186	4 296	4 406	4 516	4 626	4 736
8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851
102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	13	14	14	15	15	16	16	17	17	18	18	19	19	20
194	212	228	242	254	264	274	284	294	304	314	324	334	344	354	364
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530
600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
482	500	516	530	542	552	562	572	582	592	602	612	622	632	642	652
4 478	4 978	5 478	5 978	6 478	6 978	7 478	7 978	8 478	8 978	9 478	9 978	10 478	10 978	11 478	11 978
39 076	39 451	39 826	40 201	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576
315	315	315	315	315	335	335	335	335	335	355	355	355	355	375	375
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842
2 018	2 018	2 018	1 935	1 935	1 990	1 990	1 990	2 045	2 045	2 045	2 045	2 045	2 045	2 045	2 045
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	83	84	86	87	88	89	90	91	92	93	94	95	96	97	98
382	412	432	442	452	462	472	482	492	502	512	522	532	542	552	562
878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77

Table 5.2 Capacity by Plant Fuel Continuing Trends

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	71 757	72 397	72 979	73 599	74 377	74 908	74 919	76 187	76 652	76 652
Wind	494	800	2 121	3 494	4 636	5 778	6 920	8 062	9 200	10 338
Biomass / Landfill Gas / Waste	2 219	2 219	2 312	2 395	2 493	2 591	2 689	2 787	2 875	2 953
Uranium	13 345	13 345	13 345	13 345	14 170	14 995	14 995	14 995	14 995	14 995
Coal & Coke	17 469	16 321	16 321	16 374	15 438	13 977	13 637	13 554	13 064	12 270
Natural Gas	12 242	12 499	13 029	15 774	16 079	16 343	16 951	17 214	17 805	18 026
Oil	5 318	5 318	5 522	5 534	5 546	5 558	5 710	5 549	5 557	5 650
Alberta Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	879	879	879	979	979	979	979	979	979	979
Wind	275	275	405	535	665	795	925	1 055	1 185	1 315
Biomass / Landfill Gas / Waste	546	546	561	566	571	576	581	586	591	596
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	6 172	6 172	6 172	6 225	6 278	6 331	6 481	6 537	6 537	6 233
Natural Gas	3 956	3 616	3 661	3 846	3 931	3 885	3 810	3 980	4 065	4 065
Oil	21	21	221	221	221	221	361	361	361	446
British Columbia Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	12 420	12 818	12 818	12 818	12 818	12 926	12 926	12 926	13 391	13 391
Wind	0	0	70	140	210	280	350	420	490	560
Biomass / Landfill Gas / Waste	692	692	712	742	782	822	862	902	932	952
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	1 460	1 460	1 460	1 460	1 460	1 460	1 460	1 553	1 645	1 738
Oil	47	47	47	47	47	47	47	47	47	47
Manitoba Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	5 029	5 029	5 029	5 029	5 029	5 029	5 029	5 229	5 229	5 229
Wind	0	0	70	140	210	280	350	420	490	560
Biomass / Landfill Gas / Waste	22	22	27	32	37	42	47	52	57	62
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	98	98	98	98	98	98	98	98	98	98
Natural Gas	374	374	374	374	374	374	374	374	374	374
Oil	10	10	10	10	10	10	10	10	10	10

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
79 331	79 706	80 081	81 956	82 331	82 331	83 711	83 711	83 711	83 711	83 711	83 711	83 711	83 711	83 711	83 711
11 431	12 445	13 379	14 243	15 079	15 891	16 698	17 510	18 321	19 133	19 940	20 748	21 559	22 367	23 174	23 982
3 031	3 101	3 164	3 218	3 265	3 304	3 343	3 382	3 421	3 460	3 499	3 538	3 577	3 616	3 658	3 697
15 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	17 995	17 995	17 995	17 995	18 455	18 455	18 915
11 194	10 196	10 256	10 234	10 284	10 271	10 203	10 135	10 527	10 527	10 527	10 527	10 527	10 527	10 527	10 527
18 608	18 746	18 833	18 833	18 833	19 118	19 118	19 118	18 808	18 893	18 958	18 958	18 958	19 403	19 423	19 423
5 505	5 513	5 478	5 571	5 575	5 429	5 429	5 518	5 522	4 476	4 476	4 561	4 565	4 350	4 350	4 435
979	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979
1 415	1 485	1 525	1 545	1 565	1 585	1 605	1 625	1 645	1 665	1 685	1 705	1 725	1 745	1 765	1 785
601	606	610	613	616	619	621	624	626	629	631	634	636	639	641	644
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 233	6 233	5 933	5 993	5 993	5 925	5 857	5 789	5 716	5 716	5 716	5 716	5 716	5 716	5 716	5 716
4 150	4 150	4 150	4 150	4 150	4 235	4 235	4 235	4 235	4 320	4 320	4 320	4 320	4 405	4 405	4 405
446	446	616	701	701	701	701	786	786	786	786	871	871	871	871	956
13 809	13 809	13 809	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
972	990	1 006	1 020	1 032	1 042	1 052	1 062	1 072	1 082	1 092	1 102	1 112	1 122	1 132	1 142
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 830	1 923	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010
47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
5 229	5 229	5 229	5 829	5 829	5 829	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
67	72	76	79	82	85	87	90	92	95	97	100	102	105	107	110
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	928	928	928	928	928	928	928	928	928	928
Wind	0	0	40	80	120	160	200	240	280	320
Biomass / Landfill Gas / Waste	160	160	165	170	175	180	185	190	195	200
Uranium	680	680	680	680	680	680	680	680	680	680
Coal & Coke	541	541	541	541	541	541	541	480	480	480
Natural Gas	260	260	260	260	260	260	260	260	260	260
Oil	1 864	1 864	1 864	1 864	1 864	1 864	1 864	1 851	1 851	1 851
Newfoundland and Labrador Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778
Wind	0	0	5	5	10	15	20	25	30	35
Biomass / Landfill Gas / Waste	0	0	5	5	10	15	20	25	30	35
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	43	43	43	43	43	43	43	43	43	43
Oil	676	676	676	676	676	676	676	696	696	696
Nova Scotia Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	408	408	408	408	408	408	408	408	408	408
Wind	55	55	90	125	160	195	230	265	300	335
Biomass / Landfill Gas / Waste	69	69	74	79	84	89	94	99	104	109
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	1 280	1 280	1 280	1 280	1 280	1 280	1 280	1 524	1 524	1 524
Natural Gas	98	98	98	98	98	98	98	98	98	98
Oil	554	554	554	554	554	554	554	375	375	375
Nunavut Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	4	12	20	28	36	44	52
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	54	54	58	66	74	82	90	98	106	114
Northwest Territories Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	59	59	59	59	59	59	59	59	59	59
Wind	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	24	24	24	24	24	24	24	24	24	24
Oil	138	138	138	138	138	138	138	138	138	138

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928
360	390	410	420	430	440	450	460	470	480	490	500	510	520	530	540
205	210	214	217	220	223	225	228	230	233	235	238	240	243	245	248
680	680	680	680	680	680	680	680	680	1 680	1 680	1 680	1 680	1 680	1 680	1 680
480	480	840	840	840	840	840	840	840	840	840	840	840	840	840	840
260	260	260	260	260	260	260	260	260	260	260	260	260	620	620	620
1 851	1 851	1 638	1 638	1 638	1 638	1 638	1 638	1 638	588	588	588	588	373	373	373
9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038
40	45	49	52	55	58	60	63	65	68	70	73	75	78	80	83
40	45	49	52	55	58	60	63	65	68	70	73	75	78	80	83
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	43	43	43	43	223	223	223	223	223	223	223	223	223	223	223
696	696	696	696	696	546	546	546	546	546	546	546	546	546	546	546
408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
355	370	380	385	390	395	400	405	410	415	420	425	430	435	440	445
114	118	122	126	129	131	134	136	139	141	144	146	149	151	156	159
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 368	1 368	1 368	1 368	1 418	1 418	1 418	1 418	1 468	1 468	1 468	1 468	1 468	1 468	1 468	1 468
458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458
222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	68	76	84	88	92	92	96	100	104	104	104	108	108	108	108
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	130	138	146	150	154	154	158	162	166	166	166	170	170	170	170
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	114	114	114	114	114	114	114	114	114	159	159	159	159	159	159
138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	8 444	8 450	8 450	8 470	8 701	8 851	8 851	8 851	8 851	8 851
Wind	15	320	866	1 326	1 546	1 766	1 986	2 206	2 426	2 646
Biomass / Landfill Gas / Waste	392	392	407	417	427	437	447	457	467	477
Uranium	11 990	11 990	11 990	11 990	12 815	13 640	13 640	13 640	13 640	13 640
Coal & Coke	7 589	6 441	6 441	6 441	5 452	3 938	3 448	2 958	2 468	1 978
Natural Gas	4 936	5 026	5 511	8 071	8 291	8 601	9 284	9 284	9 698	9 698
Oil	108	108	108	108	108	108	108	108	108	108
Prince Edward Island Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	14	14	34	54	74	94	114	134	154	174
Biomass / Landfill Gas / Waste	0	0	1	2	3	4	5	6	7	8
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	169	169	169	169	169	169	169	169	169	169
Québec Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	35 882	36 119	36 701	37 201	37 748	38 021	38 033	39 076	39 076	39 076
Wind	113	113	478	978	1 478	1 978	2 478	2 978	3 478	3 978
Biomass / Landfill Gas / Waste	274	274	294	314	334	354	374	394	414	434
Uranium	675	675	675	675	675	675	675	675	675	675
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	31	538	538	538	538	538	538	538	538	538
Oil	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620
Saskatchewan Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	853	853	853	853	853	853	853	878	878	878
Wind	22	22	62	102	142	182	222	262	302	342
Biomass / Landfill Gas / Waste	63	63	65	67	69	71	73	75	77	79
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	1 790	1 790	1 790	1 790	1 790	1 790	1 790	1 958	1 958	1 958
Natural Gas	1 060	1 060	1 060	1 060	1 060	1 060	1 060	1 060	1 060	1 188
Oil	11	11	11	11	11	11	11	11	11	11
Yukon Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	77	77	77	77	77	77	77	77	77	77
Wind	1	1	1	5	9	13	17	21	21	21
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	45	45	45	49	53	57	61	65	65	65

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851
2 866	3 064	3 240	3 394	3 526	3 636	3 746	3 856	3 966	4 076	4 186	4 296	4 406	4 516	4 626	4 736
487	496	504	511	517	522	527	532	537	542	547	552	557	562	567	572
14 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	16 100	16 100	16 560
998	0	0	0	0	0	0	0	360	360	360	360	360	360	360	360
9 698	9 698	9 698	9 698	9 698	9 698	9 698	9 698	9 388	9 388	9 388	9 388	9 388	9 388	9 388	9 388
108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	212	228	242	254	264	274	284	294	304	314	324	334	344	354	364
9	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
39 076	39 451	39 826	40 201	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576	40 576
4 478	4 978	5 478	5 978	6 478	6 978	7 478	7 978	8 478	8 978	9 478	9 978	10 478	10 978	11 478	11 978
454	472	488	502	514	524	534	544	554	564	574	584	594	604	614	624
675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538
1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620
878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
382	412	432	442	452	462	472	482	492	502	512	522	532	542	552	562
81	83	84	86	87	88	89	90	91	92	93	94	95	96	97	98
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 018	2 018	2 018	1 935	1 935	1 990	1 990	1 990	2 045	2 045	2 045	2 045	2 045	2 045	2 045	2 045
1 188	1 188	1 188	1 188	1 188	1 208	1 208	1 208	1 208	1 208	1 228	1 228	1 228	1 228	1 248	1 248
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65

Table 5.3 Generation by Plant Type, Continuing Trends

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	15 825	21 819	24 055	23 897	25 306	24 512	25 024	26 161	29 643	30 218
Oil/Gas Steam Turbine	17 947	18 313	18 750	18 188	18 718	20 418	19 814	16 803	16 605	16 865
Oil/Gas Combined Cycle	24 441	25 073	25 528	30 869	32 930	34 139	35 063	36 108	36 682	39 148
Coal	91 277	89 994	90 007	89 953	85 375	80 677	77 819	73 723	70 482	68 800
Nuclear	93 666	93 578	94 460	90 911	87 564	93 749	98 300	101 069	101 716	98 329
Biomass / Landfill Gas / Waste / CHP	9 337	9 337	9 950	10 495	11 138	11 780	12 422	13 065	13 644	14 157
Wind	945	1 749	5 026	8 400	11 104	13 808	16 512	19 216	21 913	24 611
Hydro / Wave / Tidal	351 063	354 025	356 889	359 615	370 755	375 251	375 254	381 884	382 361	382 383
Alberta Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	7 236	9 398	10 804	11 285	11 975	11 351	12 335	13 529	14 126	14 723
Oil/Gas Steam Turbine	1 836	1 604	1 601	1 601	1 649	1 533	1 528	1 528	1 528	1 528
Oil/Gas Combined Cycle	9 981	9 981	9 898	9 809	9 909	9 212	9 037	9 037	9 037	9 037
Coal	42 892	40 259	39 109	38 858	39 483	42 630	41 943	41 015	40 802	40 276
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	1 320	1 320	1 419	1 452	1 485	1 518	1 551	1 584	1 617	1 649
Wind	586	586	894	1 202	1 510	1 819	2 127	2 435	2 743	3 051
Hydro / Wave / Tidal	1 897	1 897	1 897	2 336	2 336	2 336	2 336	2 336	2 336	2 336
British Columbia Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	1 241	1 221	1 202	1 202	1 221	1 241	1 241	1 241	1 241	1 241
Oil/Gas Steam Turbine	2 044	1 937	1 864	1 838	1 912	2 044	2 044	1 832	1 621	1 409
Oil/Gas Combined Cycle	1 176	1 176	1 176	1 176	1 176	1 176	1 176	1 813	2 376	2 869
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	2 951	2 951	3 083	3 281	3 544	3 807	4 071	4 334	4 532	4 663
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Hydro / Wave / Tidal	59 223	60 995	60 995	60 995	60 995	61 533	61 533	61 533	61 941	61 941
Manitoba Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	109	14	204	252	410	522	522	516	516	516
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	813	813	813	813	813	813	813	813	813	813
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	88	88	120	153	186	219	252	285	318	351
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Hydro / Wave / Tidal	29 120	29 120	29 120	29 120	29 120	29 120	29 120	30 524	30 524	30 524

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
31 163	31 715	32 872	32 909	33 225	34 236	34 348	35 030	34 953	34 821	35 092	35 791	35 907	36 253	36 373	36 953
16 033	17 162	15 342	14 466	14 676	14 985	15 077	15 181	14 022	10 394	10 391	10 397	10 395	9 767	9 767	9 767
41 474	42 131	42 815	41 550	42 214	42 420	42 297	42 125	41 959	41 094	40 859	40 891	40 966	41 187	41 154	40 564
66 582	63 411	64 816	64 105	64 416	64 080	63 567	62 788	63 688	61 928	61 565	61 044	60 892	60 306	59 924	59 254
99 312	104 307	106 849	110 852	108 451	107 911	107 723	107 933	108 759	115 845	116 851	118 087	118 305	118 887	118 305	119 559
14 670	15 133	15 541	15 898	16 202	16 455	16 708	16 961	17 214	17 468	17 721	17 975	18 229	18 483	18 753	19 007
27 202	29 605	31 817	33 858	35 837	37 755	39 669	41 588	43 510	45 429	47 342	49 258	51 177	53 092	55 005	56 918
394 704	396 583	398 403	408 346	410 134	410 088	419 863	419 831	419 802	419 779	419 732	419 716	419 703	419 688	419 665	419 456
15 320	15 320	16 514	17 116	17 143	17 755	17 769	18 341	18 372	18 918	18 917	19 499	19 501	20 096	20 096	20 693
1 528	1 528	1 533	1 533	1 533	1 533	1 533	1 533	1 533	1 533	1 533	1 533	1 533	1 533	1 533	1 533
9 037	9 037	9 403	9 402	9 685	9 870	9 897	9 852	9 790	9 584	9 529	9 397	9 404	9 213	9 215	9 139
40 256	41 203	40 319	40 639	41 033	40 985	40 621	40 011	39 699	39 218	39 100	38 705	38 647	38 179	38 113	37 728
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 682	1 712	1 738	1 761	1 781	1 798	1 814	1 831	1 847	1 863	1 880	1 896	1 913	1 929	1 946	1 962
3 288	3 454	3 549	3 596	3 644	3 691	3 739	3 786	3 834	3 881	3 928	3 976	4 023	4 071	4 118	4 165
2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336
1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241	1 241
1 198	986	768	768	768	768	768	768	768	768	768	768	768	768	768	768
3 239	3 598	3 932	3 347	3 256	3 225	3 225	3 227	3 249	3 270	3 294	3 343	3 355	3 333	3 312	3 301
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 795	4 914	5 019	5 111	5 190	5 256	5 322	5 388	5 454	5 519	5 585	5 651	5 717	5 783	5 849	5 915
1 494	1 659	1 825	1 991	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
62 309	62 309	62 309	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655
516	516	516	516	516	516	516	516	516	516	516	516	519	519	519	519
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813	813	813	813	813	813	813	813	813	813	813	813	813	813	813	813
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384	414	440	463	483	499	516	532	549	565	581	598	614	631	647	664
1 494	1 659	1 825	1 991	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
30 524	30 524	30 524	34 317	34 317	34 317	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	175	446	442	200	403	327	312	312	312	312
Oil/Gas Steam Turbine	4 406	4 693	4 377	5 050	5 251	5 258	4 829	5 000	4 934	4 854
Oil/Gas Combined Cycle	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
Coal	4 432	4 432	4 432	4 432	4 091	3 101	3 101	2 801	2 801	2 801
Nuclear	5 015	5 015	5 015	3 761	0	3 549	4 401	4 368	4 313	4 260
Biomass / Landfill Gas / Waste / CHP	904	904	937	970	1 003	1 036	1 069	1 102	1 134	1 167
Wind	0	0	95	190	285	379	474	569	664	759
Hydro / Wave / Tidal	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
Newfoundland and Labrador Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	815	815	815	829	783	766	759	758	767	770
Oil/Gas Steam Turbine	1 448	1 695	2 030	2 386	2 195	1 949	1 729	61	167	215
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	1 668	1 862	1 922
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	33	32	62	92	122	152	185	216
Wind	0	0	12	11	22	33	44	55	67	78
Hydro / Wave / Tidal	40 780	40 780	40 780	40 522	40 457	40 388	40 332	40 327	40 398	40 420
Nova Scotia Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	566	653	645	611	647	616	598	536	512	494
Oil/Gas Steam Turbine	2 561	2 561	2 561	2 561	2 561	2 561	2 561	1 225	1 225	1 225
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	6 684	7 784	7 227	7 057	6 505	6 392	6 196	7 576	7 460	7 357
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	340	341	373	406	439	472	505	538	571	604
Wind	111	111	194	277	360	443	526	609	692	775
Hydro / Wave / Tidal	966	966	966	966	966	966	966	966	966	966
Nunavut Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	215	229	244	251	252	246	248	247	238	227
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	10	28	47	66	85	104	123
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Northwest Territories Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	397	424	426	426	427	427	433	443	446	445
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0	0
Hydro / Wave / Tidal	287	287	287	287	287	287	287	287	287	287

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
312	312	312	294	309	312	312	312	312	284	284	308	312	284	271	259
4 838	5 778	4 193	3 990	3 987	3 985	3 979	3 977	3 974	627	624	630	628	0	0	0
1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	2 441	2 441	2 441
2 801	2 801	4 681	3 921	3 900	3 882	3 862	3 841	3 823	2 682	2 682	2 682	2 682	2 682	2 682	2 682
4 229	4 229	4 233	4 218	4 200	4 193	4 177	4 167	4 157	9 801	9 775	9 773	9 746	9 704	9 662	9 620
1 200	1 230	1 256	1 279	1 299	1 316	1 332	1 348	1 365	1 381	1 398	1 414	1 431	1 447	1 464	1 480
853	925	972	996	1 019	1 043	1 067	1 091	1 114	1 138	1 162	1 185	1 209	1 233	1 256	1 280
2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
789	830	805	782	767	762	757	753	749	746	742	741	739	737	735	733
278	392	324	267	197	0	0	0	0	0	0	0	0	0	0	0
2 027	2 077	2 061	2 003	1 889	1 906	1 756	1 626	1 500	1 394	1 290	1 226	1 164	1 102	1 009	943
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
249	279	303	323	339	351	364	377	390	403	416	430	443	457	470	483
90	101	109	116	122	127	131	136	140	145	150	155	160	165	169	174
52 368	52 412	52 390	52 355	52 304	52 261	52 223	52 189	52 158	52 132	52 106	52 091	52 077	52 063	52 041	52 027
430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430
83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843
7 842	7 856	7 872	7 860	7 948	7 932	7 912	7 894	7 986	7 970	8 013	8 017	8 003	8 090	8 038	8 004
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
637	666	693	716	736	752	769	785	801	818	834	851	867	884	917	933
822	858	882	893	905	917	929	941	953	965	976	988	1 000	1 012	1 024	1 036
966	966	966	966	966	966	966	966	966	966	966	966	966	966	966	966
232	227	218	213	214	214	217	217	220	221	228	229	228	229	231	234
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	161	179	190	198	204	205	211	220	225	225	228	233	234	234	234
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720	832	830	820	807	808	802	797	797	792	950	943	937	930	922	917
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
287	283	283	283	282	282	281	280	280	280	259	258	258	256	255	254

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	1 987	1 987	2 638	2 226	2 609	2 650	2 650	2 656	5 561	5 570
Oil/Gas Steam Turbine	2 327	2 499	2 993	1 428	1 826	3 882	3 939	3 973	3 947	4 450
Oil/Gas Combined Cycle	8 410	9 042	9 580	15 011	16 971	18 877	19 976	18 715	18 533	20 445
Coal	22 535	22 546	24 263	26 035	21 723	15 761	14 131	10 204	7 550	6 777
Nuclear	83 673	83 585	84 467	82 171	83 830	90 200	90 165	91 723	92 425	89 091
Biomass / Landfill Gas / Waste / CHP	1 654	1 654	1 752	1 818	1 884	1 950	2 016	2 082	2 147	2 213
Wind	16	819	2 259	3 470	3 992	4 514	5 035	5 557	6 078	6 600
Hydro / Wave / Tidal	37 751	37 777	37 777	37 868	39 590	40 249	40 249	40 249	40 249	40 249
Prince Edward Island Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	10	10	10	35	56	35	35	35	35	35
Oil/Gas Steam Turbine	63	63	63	63	63	63	63	63	63	63
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	14	14	20	27	34	40	47	53	60	67
Wind	0	0	47	95	142	190	237	285	332	379
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Quebec Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	2 448	6 009	6 009	6 009	6 009	6 009	5 568	5 568	5 568	5 568
Oil/Gas Steam Turbine	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	4 978	4 978	4 978	4 978	3 734	0	3 734	4 978	4 978	4 978
Biomass / Landfill Gas / Waste / CHP	1 785	1 785	1 917	2 049	2 180	2 312	2 444	2 575	2 707	2 839
Wind	174	174	1 039	2 225	3 410	4 595	5 781	6 966	8 151	9 337
Hydro / Wave / Tidal	174 798	175 960	178 821	181 279	190 765	194 137	194 195	199 315	199 315	199 315
Saskatchewan Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	551	533	536	487	430	241	241	241	241	241
Oil/Gas Steam Turbine	357	357	357	357	357	225	217	216	216	216
Oil/Gas Combined Cycle	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276
Coal	13 921	14 160	14 163	12 757	12 759	11 980	11 636	11 313	11 056	10 776
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	282	282	295	308	321	334	347	361	374	387
Wind	59	59	153	248	343	438	533	628	722	817
Hydro / Wave / Tidal	3 191	3 191	3 191	3 191	3 191	3 191	3 191	3 305	3 305	3 305
Yukon Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	75	79	82	84	84	81	83	81	81	78
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	8	16	23	31	38	37	37
Hydro / Wave / Tidal	249	252	254	250	247	243	244	241	239	239

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5 675	6 074	6 074	5 570	5 873	6 126	6 232	6 348	6 237	5 602	5 570	5 671	5 778	5 570	5 570	5 569
4 926	5 211	5 258	4 642	4 926	5 434	5 532	5 638	4 482	4 200	4 200	4 200	4 200	4 200	4 200	4 200
21 454	21 703	21 703	21 081	21 668	21 703	21 703	21 703	21 703	21 129	21 029	21 209	21 327	20 981	21 059	20 621
4 275	0	0	0	0	0	0	0	1 077	1 077	1 077	1 077	1 077	1 077	1 077	1 077
90 105	95 100	97 637	101 655	99 273	98 740	98 567	98 788	99 624	101 066	102 098	103 336	103 580	104 204	103 664	104 961
2 279	2 338	2 391	2 437	2 477	2 510	2 543	2 575	2 608	2 641	2 674	2 707	2 740	2 773	2 806	2 839
7 121	7 591	8 008	8 373	8 686	8 947	9 207	9 468	9 729	9 990	10 250	10 511	10 772	11 033	11 293	11 554
40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249
35	35	35	29	29	35	35	35	35	29	29	29	35	29	29	29
63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	79	84	89	93	96	99	103	106	109	113	116	119	123	126	129
427	469	507	541	569	593	616	640	664	688	711	735	759	782	806	830
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568	5 568
2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905	2 905
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978
2 970	3 089	3 194	3 287	3 366	3 431	3 497	3 563	3 629	3 695	3 761	3 827	3 892	3 958	4 024	4 090
10 522	11 707	12 892	14 078	15 263	16 448	17 634	18 819	20 004	21 190	22 375	23 560	24 745	25 931	27 116	28 301
199 315	201 154	202 994	204 833	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 479
241	241	241	241	241	381	381	381	381	381	522	522	522	522	662	662
216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216
3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276
10 596	10 739	11 132	10 872	10 722	10 467	10 359	10 229	10 289	10 168	9 879	9 750	9 669	9 464	9 200	8 949
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	412	423	432	440	446	453	459	466	473	479	486	492	499	505	512
912	983	1 031	1 054	1 078	1 102	1 125	1 149	1 173	1 196	1 220	1 244	1 268	1 291	1 315	1 339
3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305
85	90	89	89	89	90	90	91	95	95	96	96	97	99	99	100
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	38	38	38	38	38	38	38	39	39	39	39	39	39	39	39
243	243	246	246	246	243	243	246	248	250	250	250	253	253	253	253

Table 5.4 Generation by Fuel, Reference Case and Continuing Trends

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	351 062	354 025	356 889	359 615	370 755	375 251	375 254	381 884	382 361	382 383
Wind	945	1 749	5 026	8 400	11 104	13 808	16 512	19 216	21 913	24 611
Biomass / Landfill Gas / Waste	11 820	11 820	12 349	12 805	13 548	13 494	13 961	14 604	15 183	15 695
Uranium	93 666	93 578	94 460	90 911	87 564	93 749	98 300	101 069	101 716	98 329
Coal & Coke	91 709	90 426	90 439	90 385	85 807	81 109	78 252	74 155	70 914	69 232
Natural Gas	39 336	45 429	47 210	51 103	54 775	57 962	59 103	59 496	63 146	65 844
Oil	15 961	16 861	18 292	19 109	19 336	18 961	18 826	17 606	17 814	18 416
Alberta Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	1 896	1 896	1 896	2 335	2 335	2 335	2 335	2 335	2 335	2 335
Wind	586	586	894	1 202	1 510	1 819	2 127	2 435	2 743	3 051
Biomass / Landfill Gas / Waste	2 649	2 649	2 665	2 609	2 741	2 078	1 936	1 969	2 002	2 035
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	43 324	40 691	39 541	39 290	39 915	43 062	42 375	41 447	41 234	40 708
Natural Gas	17 247	19 177	19 175	19 656	20 394	19 654	19 650	20 844	21 441	21 441
Oil	45	45	1 450	1 450	1 450	1 450	2 433	2 433	2 433	3 030
British Columbia Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	59 223	60 995	60 995	60 995	60 995	61 533	61 533	61 533	61 941	61 941
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Biomass / Landfill Gas / Waste	3 666	3 666	3 798	3 996	4 259	4 522	4 786	5 049	5 247	5 378
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	3 663	3 536	3 445	3 418	3 512	3 663	3 663	4 089	4 440	4 722
Oil	82	82	82	82	82	82	82	82	82	82
Manitoba Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	29 120	29 120	29 120	29 120	29 120	29 120	29 120	30 524	30 524	30 524
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Biomass / Landfill Gas / Waste	88	88	120	153	186	219	252	285	318	351
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	813	813	813	813	813	813	813	813	813	813
Natural Gas	95	0	189	234	392	502	502	502	502	502
Oil	14	14	14	18	17	20	20	14	14	14

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
394 703	396 583	398 402	408 345	410 133	410 088	419 863	419 831	419 802	419 778	419 732	419 716	419 703	419 687	419 665	419 456
27 202	29 605	31 817	33 858	35 837	37 755	39 669	41 588	43 510	45 429	47 342	49 258	51 177	53 092	55 005	56 918
16 209	16 671	17 446	17 801	18 388	18 826	19 106	19 314	19 506	19 553	19 752	19 874	20 134	20 198	20 469	20 647
99 312	104 307	106 849	110 852	108 451	107 911	107 723	107 933	108 760	115 845	116 851	118 087	118 305	118 887	118 305	119 559
67 014	63 843	65 248	64 537	64 848	64 511	63 999	63 220	64 120	62 360	61 997	61 476	61 324	60 738	60 356	59 686
69 321	70 681	70 847	68 542	69 638	72 139	72 342	72 528	71 292	70 353	70 586	70 832	71 029	71 864	71 995	71 500
17 379	18 356	17 846	18 047	17 859	16 700	16 551	17 023	16 918	13 438	13 293	13 916	13 902	13 196	13 150	13 712
2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335
3 288	3 454	3 549	3 596	3 644	3 691	3 739	3 786	3 834	3 881	3 928	3 976	4 023	4 071	4 118	4 165
2 068	2 097	2 489	2 512	2 814	3 015	3 059	3 030	2 985	2 796	2 757	2 642	2 664	2 490	2 509	2 450
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 688	41 635	40 751	41 071	41 465	41 417	41 053	40 442	40 131	39 650	39 532	39 137	39 079	38 611	38 545	38 160
22 038	22 038	22 042	22 047	22 074	22 686	22 700	22 675	22 706	23 252	23 251	23 236	23 238	23 833	23 833	23 833
3 030	3 030	4 224	4 821	4 821	4 821	4 821	5 419	5 419	5 419	5 419	6 016	6 016	6 016	6 016	6 613
62 309	62 309	62 309	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655
1 494	1 659	1 825	1 991	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
5 510	5 629	5 734	5 826	5 905	5 971	6 037	6 103	6 169	6 235	6 300	6 366	6 432	6 498	6 564	6 630
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 880	5 028	5 143	4 558	4 467	4 437	4 437	4 439	4 461	4 482	4 506	4 554	4 566	4 544	4 524	4 512
82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
30 524	30 524	30 524	34 317	34 317	34 317	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132
1 494	1 659	1 825	1 991	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
384	414	440	463	483	499	516	532	549	565	581	598	614	631	647	664
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813	813	813	813	813	813	813	813	813	813	813	813	813	813	813	813
502	502	502	502	502	502	502	502	502	502	502	502	502	502	502	502
14	14	14	14	14	14	14	14	14	14	14	14	17	17	17	17

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
Wind	0	0	95	190	285	379	474	569	664	759
Biomass / Landfill Gas / Waste	904	904	937	970	1 003	1 036	1 069	1 102	1 134	1 167
Uranium	5 015	5 015	5 015	3 761	0	3 549	4 401	4 368	4 313	4 260
Coal & Coke	4 432	4 432	4 432	4 432	4 091	3 101	3 101	2 801	2 801	2 801
Natural Gas	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
Oil	4 581	5 139	4 819	5 250	5 654	5 584	5 141	5 311	5 246	5 166
Newfoundland and Labrador Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	40 780	40 780	40 780	40 522	40 457	40 388	40 332	40 327	40 398	40 420
Wind	0	0	12	11	22	33	44	55	67	78
Biomass / Landfill Gas / Waste	0	0	33	32	62	92	122	152	185	216
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	243	243	243	233	230	227	225	225	227	228
Oil	2 019	2 267	2 602	2 983	2 748	2 488	2 263	2 263	2 569	2 678
Nova Scotia Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	966	966	966	966	966	966	966	966	966	966
Wind	111	111	194	277	360	443	526	609	692	775
Biomass / Landfill Gas / Waste	423	423	456	489	522	555	588	621	654	687
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	6 684	7 784	7 227	7 057	6 505	6 392	6 196	7 576	7 460	7 357
Natural Gas	95	133	132	132	132	132	132	132	132	132
Oil	2 948	2 998	2 991	2 957	2 993	2 962	2 944	1 546	1 522	1 504
Nunavut Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	10	28	47	66	85	104	123
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	215	229	244	251	252	246	248	247	238	227
Northwest Territories Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	287	287	287	287	287	287	287	287	287	287
Wind	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	397	424	426	426	427	427	433	443	446	445

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
853	925	972	996	1 019	1 043	1 067	1 091	1 114	1 138	1 162	1 185	1 209	1 233	1 256	1 280
1 200	1 230	1 256	1 279	1 299	1 316	1 332	1 348	1 365	1 381	1 398	1 414	1 431	1 447	1 464	1 480
4 229	4 229	4 233	4 218	4 200	4 193	4 177	4 167	4 157	9 801	9 775	9 773	9 746	9 704	9 662	9 620
2 801	2 801	4 681	3 921	3 900	3 882	3 862	3 841	3 823	2 682	2 682	2 682	2 682	2 682	2 682	2 682
1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	2 441	2 441	2 441
5 149	6 090	4 505	4 283	4 296	4 296	4 290	4 288	4 285	910	907	938	940	284	271	259
52 368	52 412	52 390	52 355	52 304	52 261	52 223	52 189	52 158	52 132	52 106	52 092	52 077	52 062	52 041	52 027
90	101	109	116	122	127	131	136	140	145	150	155	160	165	169	174
249	279	303	323	339	351	364	377	390	403	416	430	443	457	470	483
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230	232	231	229	227	1 221	1 208	1 197	1 175	1 149	1 115	1 071	1 030	988	925	880
2 864	3 066	2 959	2 823	2 625	1 446	1 305	1 182	1 074	990	917	895	873	851	819	796
966	966	966	966	966	966	966	966	966	966	966	966	966	966	966	966
822	858	882	893	905	917	929	941	953	965	976	988	1 000	1 012	1 024	1 036
720	749	776	799	818	835	851	868	884	901	917	934	950	967	1 000	1 016
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 841	7 856	7 872	7 860	7 948	7 931	7 912	7 894	7 986	7 970	8 013	8 017	8 003	8 090	8 038	8 004
974	974	974	974	974	974	974	974	974	974	974	974	974	974	974	974
299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	161	179	190	198	204	205	211	220	225	225	228	233	234	234	234
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232	227	218	213	214	214	217	217	220	221	228	229	228	229	231	234
287	283	283	283	282	282	281	280	280	280	259	258	258	256	255	254
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296	585	585	583	582	582	580	578	578	578	804	800	798	794	790	788
424	247	244	237	226	226	222	219	219	214	147	143	139	136	132	129

Reference Case / Continuing Trends	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	37 751	37 777	37 777	37 868	39 590	40 249	40 249	40 249	40 249	40 249
Wind	16	819	2 259	3 470	3 992	4 514	5 035	5 557	6 078	6 600
Biomass / Landfill Gas / Waste	2 207	2 207	2 306	2 372	2 438	2 504	2 569	2 635	2 701	2 767
Uranium	83 673	83 585	84 467	82 171	83 830	90 200	90 165	91 723	92 425	89 091
Coal & Coke	22 535	22 546	24 263	26 035	21 723	15 761	14 131	10 204	7 550	6 777
Natural Gas	12 004	12 808	14 492	17 945	20 687	24 677	25 833	24 607	27 306	29 722
Oil	166	166	166	166	166	178	178	183	181	190
Prince Edward Island Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	47	95	142	190	237	285	332	379
Biomass / Landfill Gas / Waste	0	0	7	13	20	26	33	40	46	53
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	86	86	86	112	132	112	112	112	112	112
Quebec Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	174 798	175 960	178 821	181 279	190 765	194 137	194 195	199 315	199 314	199 315
Wind	174	174	1 039	2 225	3 410	4 595	5 781	6 966	8 151	9 337
Biomass / Landfill Gas / Waste	1 601	1 601	1 733	1 864	1 996	2 128	2 259	2 391	2 523	2 654
Uranium	4 978	4 978	4 978	4 978	3 734	0	3 734	4 978	4 978	4 978
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	232	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793
Oil	5 306	5 306	5 306	5 306	5 306	5 306	4 865	4 865	4 865	4 865
Saskatchewan Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	3 191	3 191	3 191	3 191	3 191	3 191	3 191	3 305	3 305	3 305
Wind	59	59	153	248	343	438	533	628	722	817
Biomass / Landfill Gas / Waste	282	282	295	308	321	334	347	361	374	387
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	13 921	14 160	14 163	12 757	12 759	11 980	11 635	11 313	11 056	10 776
Natural Gas	4 159	4 141	4 144	4 094	4 038	3 716	3 709	3 707	3 707	3 707
Oil	26	26	26	26	26	26	26	26	26	26
Yukon Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	249	252	254	250	247	243	244	241	239	239
Wind	0	0	0	8	16	23	31	38	37	37
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	75	79	82	84	84	81	83	81	81	78

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249
7 121	7 591	8 008	8 373	8 686	8 947	9 207	9 468	9 729	9 990	10 250	10 511	10 772	11 033	11 293	11 554
2 833	2 892	2 945	2 991	3 030	3 063	3 096	3 129	3 162	3 195	3 228	3 261	3 294	3 327	3 360	3 393
90 105	95 100	97 637	101 655	99 273	98 740	98 567	98 788	99 624	101 066	102 098	103 336	103 580	104 204	103 664	104 961
4 275	0	0	0	0	0	0	0	1 077	1 077	1 077	1 077	1 077	1 077	1 077	1 077
31 303	32 224	32 271	30 550	31 714	32 499	32 703	32 925	31 658	30 178	30 056	30 317	30 542	30 008	30 086	29 648
199	210	210	190	199	210	210	210	210	199	190	210	210	190	190	188
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427	469	507	541	569	593	616	640	664	688	711	735	759	782	806	830
59	65	71	75	79	82	86	89	92	96	99	102	105	109	112	115
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	112	112	105	105	112	112	112	112	105	105	105	112	105	105	105
199 315	201 154	202 994	204 833	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 673	206 479
10 522	11 707	12 892	14 078	15 263	16 448	17 634	18 819	20 004	21 190	22 375	23 560	24 745	25 931	27 116	28 301
2 786	2 905	3 010	3 102	3 181	3 247	3 313	3 379	3 445	3 510	3 576	3 642	3 708	3 774	3 840	3 906
4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793
4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865	4 865
3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305
912	983	1 031	1 054	1 078	1 102	1 125	1 149	1 173	1 196	1 220	1 244	1 268	1 291	1 315	1 339
400	412	423	432	440	446	453	459	466	473	479	486	492	499	505	512
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 596	10 739	11 132	10 872	10 722	10 467	10 359	10 229	10 289	10 168	9 879	9 750	9 669	9 464	9 200	8 949
3 707	3 707	3 707	3 707	3 707	3 848	3 848	3 848	3 848	3 848	3 988	3 988	3 988	3 988	4 129	4 129
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
243	243	246	246	246	243	243	246	248	250	250	250	253	253	253	253
38	38	38	38	38	38	38	38	39	39	39	39	39	39	39	39
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	90	89	89	89	90	90	91	95	95	96	96	97	99	99	100

Table 5.5 Interchange, Reference Case and Continuing Trends

Reference Case / Continuing Trends

Alberta		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
British Columbia	Sales to British Columbia	3 080	2 304	2 798	2 974	3 213	4 390	4 390	4 390	4 390	4 390
	Sales to Alberta	0	1 113	1 110	890	434	0	0	0	0	0
	Net Out-Flow	3 080	1 191	1 688	2 084	2 779	4 390	4 390	4 390	4 390	4 390
Saskatchewan	Sales to Saskatchewan	986	1 107	1 103	1 159	1 154	1 175	1 317	1 317	1 317	1 303
	Sales to Alberta	34	0	0	0	0	0	0	0	0	0
	Net Out-Flow	952	1 107	1 103	1 159	1 154	1 175	1 317	1 317	1 317	1 303
United States	Exports to United States	0	0	0	0	0	0	0	0	0	0
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	0	0	0	0	0	0	0	0	0	0
Total	Out	4 066	3 411	3 901	4 133	4 367	5 565	5 707	5 707	5 707	5 693
	In	34	1 113	1 110	890	434	0	0	0	0	0
	Net Out	4 032	2 298	2 791	3 243	3 933	5 565	5 707	5 707	5 707	5 693

British Columbia		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alberta	Sales to Alberta	0	1 113	1 110	890	434	0	0	0	0	0
	Sales to British Columbia	3 080	2 304	2 798	2 974	3 213	4 390	4 390	4 390	4 390	4 390
	Net Out-Flow	-3 080	-1 191	-1 688	-2 084	-2 779	-4 390	-4 390	-4 390	-4 390	-4 390
United States	Exports to United States	3 059	1 860	1 932	1 932	1 932	4 162	4 136	3 961	4 305	4 390
	Imports from United States	504	295	95	107	98	673	685	480	169	0
	Net Exports	2 555	1 565	1 837	1 825	1 834	3 489	3 451	3 481	4 136	4 390
Total	Out	3 059	2 973	3 042	2 822	2 366	4 162	4 136	3 961	4 305	4 390
	In	3 584	2 599	2 893	3 081	3 311	5 063	5 075	4 870	4 559	4 390
	Net Out	-525	374	149	-259	-945	-901	-939	-909	-254	0

Manitoba		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Saskatchewan	Sales to Saskatchewan	0	0	0	0	0	0	0	0	0	0
	Sales to Manitoba	2 079	2 132	2 129	992	1 015	88	88	88	88	88
	Net Out-Flow	-2 079	-2 132	-2 129	-992	-1 015	-88	-88	-88	-88	-88
Ontario	Sales to Ontario Hydro	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
	Sales to Manitoba	1 756	1 477	1 246	1 539	1 408	1 355	1 223	1 052	1 052	1 052
	Net Out-Flow	878	1 157	1 388	1 095	1 226	1 279	1 411	1 582	1 582	1 582
United States	Exports to United States	11 130	10 258	10 169	9 399	9 367	8 475	8 258	9 521	9 678	9 837
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	11 130	10 258	10 169	9 399	9 367	8 475	8 258	9 521	9 678	9 837
Total	Out	13 764	12 892	12 803	12 033	12 001	11 109	10 892	12 155	12 312	12 471
	In	3 835	3 609	3 375	2 531	2 423	1 443	1 311	1 140	1 140	1 140
	Net Out	9 929	9 283	9 428	9 502	9 578	9 666	9 581	11 015	11 172	11 331

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4 390	5 268	6 146	7 024	7 902	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 390	5 268	6 146	7 024	7 902	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
1 295	1 080	789	789	789	789	789	789	789	789	789	789	789	799	798	859
0	27	202	121	150	235	262	235	399	397	434	376	393	340	350	288
1 295	1 053	587	668	639	554	527	554	390	392	355	413	396	459	448	571
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 685	6 348	6 935	7 813	8 691	9 569	9 569	9 569	9 569	9 569	9 569	9 569	9 569	9 579	9 578	9 639
0	27	202	121	150	235	262	235	399	397	434	376	393	340	350	288
5 685	6 321	6 733	7 692	8 541	9 334	9 307	9 334	9 170	9 172	9 135	9 193	9 176	9 239	9 228	9 351

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 390	5 268	6 146	7 024	7 902	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
-4 390	-5 268	-6 146	-7 024	-7 902	-8 780	-8 780	-8 780	-8 780	-8 780	-8 780	-8 780	-8 780	-8 780	-8 780	-8 780
4 302	4 336	4 527	8 678	9 376	9 958	9 880	9 714	9 595	9 488	9 364	9 092	9 050	9 218	9 376	9 480
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 302	4 336	4 527	8 678	9 376	9 958	9 880	9 714	9 595	9 488	9 364	9 092	9 050	9 218	9 376	9 480
4 302	4 336	4 527	8 678	9 376	9 958	9 880	9 714	9 595	9 488	9 364	9 092	9 050	9 218	9 376	9 480
4 390	5 268	6 146	7 024	7 902	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
-88	-932	-1 619	1 654	1 474	1 178	1 100	934	815	708	584	312	270	438	596	700

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88
2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052
1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582	1 582
9 818	9 745	9 649	13 559	13 683	13 791	23 707	23 853	23 974	24 103	24 260	24 344	24 479	24 665	24 834	24 991
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 818	9 745	9 649	13 559	13 683	13 791	23 707	23 853	23 974	24 103	24 260	24 344	24 479	24 665	24 834	24 991
12 452	12 379	12 283	16 193	16 317	16 425	26 341	26 487	26 608	26 737	26 894	26 978	27 113	27 299	27 468	27 625
1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140	1 140
11 312	11 239	11 143	15 053	15 177	15 285	25 201	25 347	25 468	25 597	25 754	25 838	25 973	26 159	26 328	26 485

New Brunswick		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nova Scotia	Sales to Nova Scotia	309	0	0	68	143	181	291	328	328	326
	Sales to New Brunswick	141	1 059	638	510	106	12	20	46	55	63
	Net Out-Flow	168	-1 059	-638	-442	37	169	271	282	273	263
Prince Edward Island	Sales to Prince Edward Island	1 114	1 131	1 083	1 017	960	943	906	864	812	765
	Sales to New Brunswick	0	0	0	0	0	0	0	0	0	0
	Net Out-Flow	1 114	1 131	1 083	1 017	960	943	906	864	812	765
Quebec	Sales to Hydro Quebec	5 998	7 807	7 110	6 619	3 664	3 264	3 104	2 869	2 892	3 172
	Sales to New Brunswick	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
	Net Out-Flow	-2 782	-973	-1 670	-2 161	-5 116	-5 516	-5 676	-5 911	-5 888	-5 608
United States	Exports to United States	3 951	3 747	3 747	3 367	2 187	4 858	5 335	5 438	5 460	5 242
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	3 951	3 747	3 747	3 367	2 187	4 858	5 335	5 438	5 460	5 242
Total	Out	11 372	12 685	11 940	11 071	6 954	9 246	9 636	9 499	9 492	9 505
	In	8 921	9 839	9 418	9 290	8 886	8 792	8 800	8 826	8 835	8 843
	Net Out	2 451	2 846	2 522	1 781	-1 932	454	836	673	657	662

Newfoundland and Labrador		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Quebec	Sales to Hydro Quebec	32 312	32 329	32 272	32 267	32 277	32 295	32 319	32 315	32 281	32 270
	Sales to Labrador	16	28	58	74	63	37	24	27	54	70
	Net Out-Flow	32 296	32 301	32 214	32 193	32 214	32 258	32 295	32 288	32 227	32 200

Nova Scotia		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	141	1 059	638	510	106	12	20	46	55	63
	Sales to Nova Scotia	309	0	0	68	143	181	291	328	328	326
	Net Out-Flow	-168	1 059	638	442	-37	-169	-271	-282	-273	-263

Ontario		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Manitoba	Sales to Manitoba	1 756	1 477	1 246	1 539	1 408	1 355	1 223	1 052	1 052	1 052
	Sales to Ontario Hydro	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
	Net Out-Flow	-878	-1 157	-1 388	-1 095	-1 226	-1 279	-1 411	-1 582	-1 582	-1 582
Quebec	Sales to Hydro Quebec	878	878	772	878	510	3 796	3 246	1 289	1 261	269
	Sales to Ontario Hydro	0	0	0	0	935	224	641	2 881	2 991	3 633
	Net Out-Flow	878	878	772	878	-425	3 572	2 605	-1 592	-1 730	-3 364
United States	Exports to United States	878	417	362	878	878	720	614	574	600	570
	Imports from United States	0	0	0	0	0	0	525	1 167	1 144	1 320
	Net Exports	878	417	362	878	878	720	89	-593	-544	-750
Total	Out	3 512	2 772	2 380	3 295	2 796	5 871	5 083	2 915	2 913	1 891
	In	2 634	2 634	2 634	2 634	3 569	2 858	3 800	6 682	6 769	7 587
	Net Out	878	138	-254	661	-773	3 013	1 283	-3 767	-3 856	-5 696

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
287	285	299	291	253	253	253	253	253	253	253	253	253	210	210	210
118	110	105	107	175	187	200	214	334	350	432	438	452	546	557	565
169	175	194	184	78	66	53	39	-81	-97	-179	-185	-199	-336	-347	-355
722	686	665	637	612	586	564	540	525	519	504	492	470	459	445	428
0	0	0	0	0	0	0	0	2	11	16	24	32	40	46	54
722	686	665	637	612	586	564	540	523	508	488	468	438	419	399	374
3 175	4 153	4 323	3 284	3 344	3 357	3 365	3 373	3 442	4 761	4 804	4 911	4 932	4 981	5 021	5 061
8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
-5 605	-4 627	-4 457	-5 496	-5 436	-5 423	-5 415	-5 407	-5 338	-4 019	-3 976	-3 869	-3 848	-3 799	-3 759	-3 719
5 319	5 224	5 282	5 374	5 448	5 469	5 491	5 511	5 577	5 445	5 512	5 430	5 469	5 815	5 856	5 893
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 319	5 224	5 282	5 374	5 448	5 469	5 491	5 511	5 577	5 445	5 512	5 430	5 469	5 815	5 856	5 893
9 503	10 348	10 569	9 586	9 657	9 665	9 673	9 677	9 797	10 978	11 073	11 086	11 124	11 465	11 532	11 592
8 898	8 890	8 885	8 887	8 955	8 967	8 980	8 994	9 116	9 141	9 228	9 242	9 264	9 366	9 383	9 399
605	1 458	1 684	699	702	698	693	683	681	1 837	1 845	1 844	1 860	2 099	2 149	2 193
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
44 056	44 022	44 032	44 049	44 080	44 112	44 138	44 162	44 185	44 202	44 222	44 228	44 240	44 251	44 265	44 274
2	12	8	4	1	0	0	0	0	0	0	0	0	0	0	0
44 054	44 010	44 024	44 045	44 079	44 112	44 138	44 162	44 185	44 202	44 222	44 228	44 240	44 251	44 265	44 274
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
118	110	105	107	175	187	200	214	334	350	432	438	452	546	557	565
287	285	299	291	253	253	253	253	253	253	253	253	253	210	210	210
-169	-175	-194	-184	-78	-66	-53	-39	81	97	179	185	199	336	347	355
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052	1 052
2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582	-1 582
489	786	971	532	0	0	0	0	0	0	0	0	0	0	0	0
5 098	5 963	5 775	4 358	5 692	6 127	6 554	6 792	6 880	7 732	7 538	7 165	7 447	7 799	9 025	8 746
-4 609	-5 177	-4 804	-3 826	-5 692	-6 127	-6 554	-6 792	-6 880	-7 732	-7 538	-7 165	-7 447	-7 799	-9 025	-8 746
526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526
1 387	1 539	1 539	1 411	1 539	1 539	1 539	1 539	1 539	1 539	1 510	1 539	1 539	1 473	1 430	1 320
-861	-1 013	-1 013	-885	-1 013	-1 013	-1 013	-1 013	-1 013	-1 013	-984	-1 013	-1 013	-947	-904	-794
2 067	2 364	2 549	2 110	1 578	1 578	1 578	1 578	1 578	1 578	1 578	1 578	1 578	1 578	1 578	1 578
9 119	10 136	9 948	8 403	9 865	10 300	10 727	10 965	11 053	11 905	11 682	11 338	11 620	11 906	13 089	12 700
-7 052	-7 772	-7 399	-6 293	-8 287	-8 722	-9 149	-9 387	-9 475	-10 327	-10 104	-9 760	-10 042	-10 328	-11 511	-11 122

Prince Edward Island		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	0	0	0	0	0	0	0	0	0	0
	Sales to Prince Edward Island	1 114	1 131	1 083	1 017	960	943	906	864	812	765
	Net Out-Flow	-1 114	-1 131	-1 083	-1 017	-960	-943	-906	-864	-812	-765

Quebec		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
	Sales to Hydro Quebec	5 998	7 807	7 110	6 619	3 664	3 264	3 104	2 869	2 892	3 172
	Net Out-Flow	2 782	973	1 670	2 161	5 116	5 516	5 676	5 911	5 888	5 608
Newfoundland and Labrador	Sales to Labrador	16	28	58	74	63	37	24	27	54	70
	Sales to Hydro Quebec	32 312	32 329	32 272	32 267	32 277	32 295	32 319	32 315	32 281	32 270
	Net Out-Flow	-32 296	-32 301	-32 214	-32 193	-32 214	-32 258	-32 295	-32 288	-32 227	-32 200
Ontario	Sales to Ontario Hydro	0	0	0	0	935	224	641	2 881	2 991	3 633
	Sales to Hydro Quebec	878	878	772	878	510	3 796	3 246	1 289	1 261	269
	Net Out-Flow	-878	-878	-772	-878	425	-3 572	-2 605	1 592	1 730	3 364
United States	Exports to United States	7 249	11 703	11 331	11 653	11 811	10 744	10 851	11 101	11 122	11 151
	Imports from United States	1 181	978	676	628	903	78	408	208	196	883
	Net Exports	6 068	10 725	10 655	11 025	10 908	10 666	10 443	10 893	10 926	10 268
Total	Out	16 045	20 511	20 169	20 507	21 589	19 785	20 296	22 789	22 947	23 634
	In	40 369	41 992	40 830	40 392	37 354	39 433	39 077	36 681	36 630	36 594
	Net Out	-24 324	-21 481	-20 661	-19 885	-15 765	-19 648	-18 781	-13 892	-13 683	-12 960

Saskatchewan		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alberta	Sales to Alberta	34									
	Sales to Saskatchewan	986	1 107	1 103	1 159	1 154	1 175	1 317	1 317	1 317	1 303
	Net Out-Flow	-952	-1 107	-1 103	-1 159	-1 154	-1 175	-1 317	-1 317	-1 317	-1 303
Manitoba	Sales to Manitoba	2 079	2 132	2 129	992	1 015	88	88	88	88	88
	Sales to Saskatchewan	0	0	0	0	0	0	0	0	0	0
	Net Out-Flow	2 079	2 132	2 129	992	1 015	88	88	88	88	88
United States	Exports to United States	1 317	1 243	1 238	1 284	1 295	1 317	1 317	1 317	1 317	1 317
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	1 317	1 243	1 238	1 284	1 295	1 317	1 317	1 317	1 317	1 317
Total	Out	3 430	3 375	3 367	2 276	2 310	1 405	1 405	1 405	1 405	1 405
	In	986	1 107	1 103	1 159	1 154	1 175	1 317	1 317	1 317	1 303
	Net Out	2 444	2 268	2 264	1 117	1 156	230	88	88	88	102

Canada Total		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	In-Flows	60 116	62 780	61 732	60 403	57 296	59 174	58 984	58 879	58 935	58 815
	Out-Flows	60 116	62 780	61 732	60 403	57 296	59 174	58 984	58 879	58 935	58 815
	Exports	27 584	29 646	29 069	29 392	28 336	30 907	31 036	32 437	33 008	33 033
	Imports	1 685	1 273	910	735	1 001	1 277	2 503	3 131	2 786	3 515
	Net Exports	25 899	28 373	28 159	28 657	27 335	29 630	28 533	29 307	30 222	29 517

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0	0	0	0	0	0	0	0	2	11	16	24	32	40	46	54
722	686	665	637	612	586	564	540	525	519	504	492	470	459	445	428
-722	-686	-665	-637	-612	-586	-564	-540	-523	-508	-488	-468	-438	-419	-399	-374
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
3 175	4 153	4 323	3 284	3 344	3 357	3 365	3 373	3 442	4 761	4 804	4 911	4 932	4 981	5 021	5 061
5 605	4 627	4 457	5 496	5 436	5 423	5 415	5 407	5 338	4 019	3 976	3 869	3 848	3 799	3 759	3 719
2	12	8	4	1	0	0	0	0	0	0	0	0	0	0	0
44 056	44 022	44 032	44 049	44 080	44 112	44 138	44 162	44 185	44 202	44 222	44 228	44 240	44 251	44 265	44 274
-44 054	-44 010	-44 024	-44 045	-44 079	-44 112	-44 138	-44 162	-44 185	-44 202	-44 222	-44 228	-44 240	-44 251	-44 265	-44 274
5 098	5 963	5 775	4 358	5 692	6 127	6 554	6 792	6 880	7 732	7 538	7 165	7 447	7 799	9 025	8 746
489	786	971	532	0	0	0	0	0	0	0	0	0	0	0	0
4 609	5 177	4 804	3 826	5 692	6 127	6 554	6 792	6 880	7 732	7 538	7 165	7 447	7 799	9 025	8 746
19 220	18 866	18 664	19 178	19 281	19 054	19 069	19 000	19 054	19 295	19 247	18 855	18 754	19 183	19 096	19 552
346	717	1 051	721	599	908	904	975	929	613	569	929	1 006	535	447	86
18 874	18 149	17 613	18 457	18 682	18 146	18 165	18 025	18 125	18 682	18 678	17 926	17 748	18 648	18 649	19 466
33 100	33 621	33 227	32 320	33 754	33 961	34 403	34 572	34 714	35 807	35 565	34 800	34 981	35 762	36 901	37 078
48 066	49 678	50 377	48 586	48 023	48 377	48 407	48 510	48 556	49 576	49 595	50 068	50 178	49 767	49 733	49 421
-14 966	-16 057	-17 150	-16 266	-14 269	-14 416	-14 004	-13 938	-13 842	-13 769	-14 030	-15 268	-15 197	-14 005	-12 832	-12 343
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 295	1 080	789	789	789	789	789	789	789	789	789	789	789	799	798	859
-1 295	-1 080	-789	-789	-789	-789	-789	-789	-789	-789	-789	-789	-789	-799	-798	-859
88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405	1 405
1 295	1 080	789	789	789	789	789	789	789	789	789	789	789	799	798	859
110	325	616	616	616	616	616	616	616	616	616	616	616	606	607	546
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
72 186	74 945	75 868	73 750	75 552	76 979	77 460	77 690	78 142	80 347	80 324	80 010	80 341	80 759	82 052	81 818
72 186	74 945	75 868	73 750	75 552	76 979	77 460	77 690	78 142	80 347	80 324	80 010	80 341	80 759	82 052	81 818
41 027	40 540	40 490	49 158	50 157	50 640	60 516	60 447	60 568	60 699	60 752	60 091	60 121	61 250	61 531	62 284
3 374	4 016	4 350	3 848	3 899	4 208	4 203	4 274	4 228	3 912	3 839	4 229	4 306	3 768	3 424	3 110
37 653	36 524	36 140	45 310	46 259	46 432	56 313	56 172	56 340	56 787	56 913	55 862	55 815	57 482	58 107	59 173

Table 5.6 Capacity by Plant Type, Triple E

Triple E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	5 361	6 188	6 918	7 111	7 204	7 316	7 424	7 517	8 024	8 117
Oil/Gas Steam Turbine	8 005	7 345	7 345	7 345	7 345	7 509	7 434	6 612	6 455	6 297
Oil/Gas Combined Cycle	4 821	4 911	4 911	7 471	7 691	8 374	8 374	8 984	9 234	9 484
Coal	17 404	16 256	16 256	16 309	15 373	13 912	13 572	13 489	12 999	12 205
Nuclear	13 345	13 345	13 345	13 345	14 170	14 995	14 995	14 995	14 995	14 995
Biomass / Landfill Gas / Waste / CHP	1 658	1 658	1 751	1 839	1 937	2 035	2 133	2 231	2 319	2 397
Wind	494	800	2 121	3 451	4 589	5 731	6 869	8 007	9 145	10 283
Hydro / Wave / Tidal	71 757	72 397	72 979	73 599	74 377	74 908	75 026	76 294	76 759	76 759
Alberta Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	1 506	1 826	2 071	2 256	2 341	2 441	2 541	2 626	2 711	2 796
Oil/Gas Steam Turbine	1 166	506	506	506	506	360	285	285	285	285
Oil/Gas Combined Cycle	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714
Coal	6 107	6 107	6 107	6 160	6 213	6 266	6 416	6 472	6 472	6 168
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	203	203	218	223	228	233	238	243	248	253
Wind	275	275	405	535	665	795	925	1 055	1 185	1 315
Hydro / Wave / Tidal	879	879	879	979	979	979	979	979	979	979
British Columbia Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	260	260	260	260	260	260	260	260	260	260
Oil/Gas Steam Turbine	1 093	1 093	1 093	1 093	1 093	1 093	1 093	935	778	620
Oil/Gas Combined Cycle	293	293	293	293	293	293	293	543	793	1 043
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	565	565	575	605	645	685	725	765	795	815
Wind	0	0	70	140	210	280	350	420	490	560
Hydro / Wave / Tidal	12 420	12 818	12 818	12 818	12 818	12 926	12 926	12 926	13 391	13 391
Manitoba Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	384	384	384	384	384	384	384	384	384	384
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	98	98	98	98	98	98	98	98	98	98
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	22	22	27	32	37	42	47	52	57	62
Wind	0	0	70	140	210	280	350	420	490	560
Hydro / Wave / Tidal	5 029	5 029	5 029	5 029	5 029	5 029	5 029	5 229	5 229	5 229

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 210	8 214	8 214	8 218	8 222	8 226	8 230	8 230	8 315	8 315	8 319	8 404	8 404	8 404	8 408	8 408
5 777	5 619	5 354	5 354	5 354	5 204	5 204	5 204	4 894	3 844	3 844	3 844	3 844	3 629	3 629	3 629
10 454	10 704	11 314	11 314	11 674	11 854	11 854	11 854	12 574	12 574	12 574	12 574	12 574	12 934	12 934	12 934
10 769	9 771	9 771	9 471	8 779	8 711	7 978	7 910	7 222	7 222	7 222	7 222	7 222	7 222	7 222	7 222
15 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	17 995	17 995	17 995	17 995	18 455	18 455	18 915
2 475	2 553	2 631	2 709	2 787	2 865	2 943	3 021	3 099	3 177	3 255	3 333	3 411	3 489	3 567	3 645
11 421	12 543	13 648	14 744	15 828	16 896	17 969	19 039	20 108	21 178	22 251	23 341	24 450	25 580	26 733	27 903
79 457	79 457	79 457	80 977	80 977	80 977	82 377	82 377	82 377	82 397	82 397	82 397	82 417	82 417	82 417	82 437
2 881	2 881	2 881	2 881	2 881	2 881	2 881	2 881	2 966	2 966	2 966	3 051	3 051	3 051	3 051	3 051
285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714
6 168	6 168	6 168	5 868	5 568	5 500	5 072	5 004	4 571	4 571	4 571	4 571	4 571	4 571	4 571	4 571
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258	263	268	273	278	283	288	293	298	303	308	313	318	323	328	333
1 445	1 562	1 666	1 757	1 835	1 900	1 965	2 030	2 095	2 160	2 225	2 290	2 355	2 420	2 485	2 550
979	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979
260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
463	305	143	143	143	143	143	143	143	143	143	143	143	143	143	143
1 293	1 543	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
835	855	875	895	915	935	955	975	995	1 015	1 035	1 055	1 075	1 095	1 115	1 135
630	705	785	870	960	1 065	1 155	1 255	1 355	1 455	1 555	1 655	1 755	1 855	1 955	2 055
13 819	13 819	13 819	14 729	14 729	14 729	14 739	14 739	14 739	14 749	14 749	14 749	14 759	14 759	14 759	14 769
384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	72	77	82	87	92	97	102	107	112	117	122	127	132	137	142
630	705	785	870	960	1 065	1 155	1 255	1 355	1 455	1 555	1 655	1 755	1 855	1 955	2 055
5 229	5 229	5 229	5 829	5 829	5 829	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209

Triple-E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	373	373	373	373	373	373	373	373	373	373
Oil/Gas Steam Turbine	1 491	1 491	1 491	1 491	1 491	1 491	1 491	1 478	1 478	1 478
Oil/Gas Combined Cycle	260	260	260	260	260	260	260	260	260	260
Coal	541	541	541	541	541	541	541	480	480	480
Nuclear	680	680	680	680	680	680	680	680	680	680
Biomass / Landfill Gas / Waste / CHP	160	160	165	170	175	180	185	190	195	200
Wind	0	0	40	80	120	160	200	240	280	320
Hydro / Wave / Tidal	928	928	928	928	928	928	928	928	928	928
Newfoundland and Labrador Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	229	229	229	229	229	229	229	229	229	229
Oil/Gas Steam Turbine	490	490	490	490	490	490	490	150	150	150
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	360	360	360
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	5	10	15	20	25	30	35	40
Wind	0	0	5	5	10	15	20	25	30	35
Hydro / Wave / Tidal	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778
Nova Scotia Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	320	320	320	320	320	320	320	320	320	320
Oil/Gas Steam Turbine	350	350	350	350	350	350	350	171	171	171
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	1 280	1 280	1 280	1 280	1 280	1 280	1 280	1 524	1 524	1 524
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	51	51	56	61	66	71	76	81	86	91
Wind	55	55	90	90	125	160	195	230	265	300
Hydro / Wave / Tidal	408	408	408	408	408	408	408	408	408	408
Nunavut Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	54	54	54	58	62	70	78	86	94	102
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	4	12	20	28	36	44
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Northwest Territories Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	163	163	163	163	163	163	163	163	163	163
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0	0
Hydro / Wave / Tidal	59	59	59	59	59	59	59	59	59	59

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
373	373	373	373	373	373	373	373	373	373	373	373	373	373	373	373
1 368	1 368	1 265	1 265	1 265	1 265	1 265	1 265	1 265	215	215	215	215	0	0	0
260	260	620	620	620	620	620	620	620	620	620	620	620	980	980	980
480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480
680	680	680	680	680	680	680	680	680	1 680	1 680	1 680	1 680	1 680	1 680	1 680
205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
360	400	440	480	520	560	600	640	680	720	760	800	840	880	920	960
933	933	933	938	938	938	943	943	943	948	948	948	953	953	953	958
229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
150	150	150	150	150	0	0	0	0	0	0	0	0	0	0	0
360	360	360	360	360	540	540	540	540	540	540	540	540	540	540	540
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038
320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
360	360	360	360	720	720	720	720	1 080	1 080	1 080	1 080	1 080	1 080	1 080	1 080
1 368	1 368	1 368	1 368	1 058	1 058	1 058	1 058	748	748	748	748	748	748	748	748
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	101	106	111	116	121	126	131	136	141	146	151	156	161	166	171
335	366	394	419	440	457	475	492	510	527	545	562	580	597	615	632
413	413	413	418	418	418	423	423	423	428	428	428	433	433	433	438
110	114	114	118	122	126	130	130	130	130	134	134	134	134	138	138
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	56	56	60	64	68	72	72	72	72	76	76	76	76	80	80
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59

Triple E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	588	588	1 073	1 073	1 073	1 073	1 073	1 073	1 487	1 487
Oil/Gas Steam Turbine	2 478	2 478	2 478	2 478	2 478	2 788	2 788	2 788	2 788	2 788
Oil/Gas Combined Cycle	2 072	2 162	2 162	4 722	4 942	5 625	5 625	5 625	5 625	5 625
Coal	7 589	6 441	6 441	6 441	5 452	3 938	3 448	2 958	2 468	1 978
Nuclear	11 990	11 990	11 990	11 990	12 815	13 640	13 640	13 640	13 640	13 640
Biomass / Landfill Gas / Waste / CHP	299	299	314	324	334	344	354	364	374	384
Wind	15	320	866	1 326	1 546	1 766	1 986	2 206	2 426	2 646
Hydro / Wave / Tidal	8 444	8 450	8 450	8 470	8 701	8 851	8 851	8 851	8 851	8 851
Prince Edward Island Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	102	102	102	102	102	102	102	102	102	102
Oil/Gas Steam Turbine	65	65	65	65	65	65	65	65	65	65
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	2	2	3	4	5	6	7	8	9	10
Wind	14	14	34	54	74	94	114	134	154	174
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Quebec Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	1 023	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530
Oil/Gas Steam Turbine	600	600	600	600	600	600	600	600	600	600
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	675	675	675	675	675	675	675	675	675	675
Biomass / Landfill Gas / Waste / CHP	302	302	322	342	362	382	402	422	442	462
Wind	113	113	478	978	1 478	1 978	2 478	2 978	3 478	3 978
Hydro / Wave / Tidal	35 882	36 119	36 701	37 201	37 748	38 021	38 139	39 182	39 182	39 182
Saskatchewan Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	315	315	315	315	315	315	315	315	315	315
Oil/Gas Steam Turbine	274	274	274	274	274	274	274	142	142	142
Oil/Gas Combined Cycle	482	482	482	482	482	482	482	482	482	482
Coal	1 790	1 790	1 790	1 790	1 790	1 790	1 790	1 958	1 958	1 958
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	63	63	65	67	69	71	73	75	77	79
Wind	22	22	62	102	142	182	222	262	302	342
Hydro / Wave / Tidal	853	853	853	853	853	853	853	878	878	878
Yukon Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	45	45	45	49	53	57	57	57	57	57
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	1	1	1	1	5	9	9	9	9	9
Hydro / Wave / Tidal	77	77	77	77	77	77	77	77	77	77

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487
2 788	2 788	2 788	2 788	2 788	2 788	2 788	2 788	2 478	2 478	2 478	2 478	2 478	2 478	2 478	2 478
5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 985	5 985	5 985	5 985	5 985	5 985	5 985	5 985
998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	16 100	16 100	16 560
394	404	414	424	434	444	454	464	474	484	494	504	514	524	534	544
2 866	3 086	3 306	3 526	3 746	3 966	4 186	4 406	4 626	4 846	5 066	5 286	5 506	5 726	5 946	6 166
8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851
102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
194	212	228	242	254	264	274	284	294	304	314	324	334	344	354	364
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530
600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
482	502	522	542	562	582	602	622	642	662	682	702	722	742	762	782
4 478	4 978	5 478	5 978	6 478	6 978	7 478	7 978	8 478	8 978	9 478	9 998	10 538	11 098	11 678	12 278
39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182
315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842
1 658	1 658	1 658	1 658	1 575	1 575	1 270	1 270	1 325	1 325	1 325	1 325	1 325	1 325	1 325	1 325
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111
382	418	450	478	502	518	530	542	554	566	578	590	602	614	626	638
878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77

Table 5.7 Capacity by Fuel, Triple E

Triple E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	71 757	72 397	72 979	73 599	74 377	74 908	75 026	76 294	76 759	76 759
Wind	494	800	2 121	3 451	4 589	5 731	6 869	8 007	9 145	10 283
Biomass / Landfill Gas / Waste	2 219	2 219	2 312	2 400	2 498	2 596	2 694	2 792	2 880	2 958
Uranium	13 345	13 345	13 345	13 345	14 170	14 995	14 995	14 995	14 995	14 995
Coal & Coke	17 469	16 321	16 321	16 374	15 438	13 977	13 637	13 554	13 064	12 270
Natural Gas	12 242	12 499	13 029	15 774	16 079	17 026	16 951	16 912	17 503	17 596
Oil	5 318	5 318	5 518	5 526	5 534	5 546	5 654	5 574	5 582	5 675
Alberta Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	879	879	879	979	979	979	979	979	979	979
Wind	275	275	405	535	665	795	925	1 055	1 185	1 315
Biomass / Landfill Gas / Waste	546	546	561	566	571	576	581	586	591	596
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	6 172	6 172	6 172	6 225	6 278	6 331	6 481	6 537	6 537	6 233
Natural Gas	3 956	3 616	3 661	3 846	3 931	3 885	3 810	3 810	3 895	3 895
Oil	21	21	221	221	221	221	321	406	406	491
British Columbia Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	12 420	12 818	12 818	12 818	12 818	12 926	12 926	12 926	13 391	13 391
Wind	0	0	70	140	210	280	350	420	490	560
Biomass / Landfill Gas / Waste	692	692	712	742	782	822	862	902	932	952
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	1 460	1 460	1 460	1 460	1 460	1 460	1 460	1 553	1 645	1 738
Oil	47	47	47	47	47	47	47	47	47	47
Manitoba Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	5 029	5 029	5 029	5 029	5 029	5 029	5 029	5 229	5 229	5 229
Wind	0	0	70	140	210	280	350	420	490	560
Biomass / Landfill Gas / Waste	22	22	27	32	37	42	47	52	57	62
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	98	98	98	98	98	98	98	98	98	98
Natural Gas	374	374	374	374	374	374	374	374	374	374
Oil	10	10	10	10	10	10	10	10	10	10

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
79 437	79 437	79 437	80 937	80 937	80 937	82 317	82 317	82 317	82 317	82 317	82 317	82 317	82 317	82 317	82 317
11 421	12 543	13 648	14 744	15 828	16 896	17 969	19 039	20 108	21 178	22 251	23 341	24 450	25 580	26 733	27 903
3 036	3 114	3 192	3 270	3 348	3 426	3 504	3 582	3 660	3 738	3 816	3 894	3 972	4 050	4 128	4 206
15 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	17 995	17 995	17 995	17 995	18 455	18 455	18 915
10 834	9 836	9 836	9 536	8 844	8 776	8 043	7 975	7 287	7 287	7 287	7 287	7 287	7 287	7 287	7 287
18 393	18 486	18 933	18 933	19 293	19 473	19 473	19 473	19 883	19 883	19 883	19 883	19 883	20 243	20 243	20 243
5 420	5 424	5 321	5 325	5 329	5 183	5 187	5 187	5 272	4 222	4 226	4 311	4 311	4 096	4 100	4 100
979	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979
1 445	1 562	1 666	1 757	1 835	1 900	1 965	2 030	2 095	2 160	2 225	2 290	2 355	2 420	2 485	2 550
601	606	611	616	621	626	631	636	641	646	651	656	661	666	671	676
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 233	6 233	6 233	5 933	5 633	5 565	5 137	5 069	4 636	4 636	4 636	4 636	4 636	4 636	4 636	4 636
3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980	3 980
491	491	491	491	491	491	491	491	576	576	576	661	661	661	661	661
13 809	13 809	13 809	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709
630	705	785	870	960	1 055	1 155	1 255	1 355	1 455	1 555	1 655	1 755	1 855	1 955	2 055
972	992	1 012	1 032	1 052	1 072	1 092	1 112	1 132	1 152	1 172	1 192	1 212	1 232	1 252	1 272
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 830	1 923	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010
47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
5 229	5 229	5 229	5 829	5 829	5 829	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209
630	705	785	870	960	1 055	1 155	1 255	1 355	1 455	1 555	1 655	1 755	1 855	1 955	2 055
67	72	77	82	87	92	97	102	107	112	117	122	127	132	137	142
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Triple-E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	928	928	928	928	928	928	928	928	928	928
Wind	0	0	40	80	120	160	200	240	280	320
Biomass / Landfill Gas / Waste	160	160	165	170	175	180	185	190	195	200
Uranium	680	680	680	680	680	680	680	680	680	680
Coal & Coke	541	541	541	541	541	541	541	480	480	480
Natural Gas	260	260	260	260	260	260	260	260	260	260
Oil	1 864	1 864	1 864	1 864	1 864	1 864	1 864	1 851	1 851	1 851
Newfoundland and Labrador Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778
Wind	0	0	5	5	10	15	20	25	30	35
Biomass / Landfill Gas / Waste	0	0	5	10	15	20	25	30	35	40
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	43	43	43	43	43	43	43	43	43	43
Oil	676	676	676	676	676	676	676	696	696	696
Nova Scotia Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	408	408	408	408	408	408	408	408	408	408
Wind	55	55	90	90	125	160	195	230	265	300
Biomass / Landfill Gas / Waste	69	69	74	79	84	89	94	99	104	109
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	1 280	1 280	1 280	1 280	1 280	1 280	1 280	1 524	1 524	1 524
Natural Gas	98	98	98	98	98	98	98	98	98	98
Oil	554	554	554	554	554	554	554	375	375	375
Nunavut Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	4	12	20	28	36	44
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	54	54	54	58	62	70	78	86	94	102
Northwest Territories Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	59	59	59	59	59	59	59	59	59	59
Wind	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	24	24	24	24	24	24	24	24	24	24
Oil	138	138	138	138	138	138	138	138	138	138

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928
360	400	440	480	520	560	600	640	680	720	760	800	840	880	920	960
205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
680	680	680	680	680	680	680	680	680	1 680	1 680	1 680	1 680	1 680	1 680	1 680
480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480
260	260	620	620	620	620	620	620	620	620	620	620	620	980	980	980
1 741	1 741	1 638	1 638	1 638	1 638	1 638	1 638	1 638	588	588	588	588	373	373	373
9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038
40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	43	43	43	43	223	223	223	223	223	223	223	223	223	223	223
696	696	696	696	696	546	546	546	546	546	546	546	546	546	546	546
408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
335	366	394	419	440	457	475	492	510	527	545	562	580	597	615	632
114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 368	1 368	1 368	1 368	1 058	1 058	1 058	1 058	748	748	748	748	748	748	748	748
458	458	458	458	818	818	818	818	1 178	1 178	1 178	1 178	1 178	1 178	1 178	1 178
222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	56	56	60	64	68	72	72	72	72	76	76	76	76	80	80
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	114	114	118	122	126	130	130	130	130	134	134	134	134	138	138
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138

Triple-E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	8 444	8 450	8 450	8 470	8 701	8 851	8 851	8 851	8 851	8 851
Wind	15	320	866	1 326	1 546	1 766	1 986	2 206	2 426	2 646
Biomass / Landfill Gas / Waste	392	392	407	417	427	437	447	457	467	477
Uranium	11 990	11 990	11 990	11 990	12 815	13 640	13 640	13 640	13 640	13 640
Coal & Coke	7 589	6 441	6 441	6 441	5 452	3 938	3 448	2 958	2 468	1 978
Natural Gas	4 936	5 026	5 511	8 071	8 291	9 284	9 284	9 284	9 698	9 698
Oil	108	108	108	108	108	108	108	108	108	108
Prince Edward Island Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	14	14	34	54	74	94	114	134	154	174
Biomass / Landfill Gas / Waste	0	0	1	2	3	4	5	6	7	8
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	169	169	169	169	169	169	169	169	169	169
Quebec Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	35 882	36 119	36 701	37 201	37 748	38 021	38 139	39 182	39 182	39 182
Wind	113	113	478	978	1 478	1 978	2 478	2 978	3 478	3 978
Biomass / Landfill Gas / Waste	274	274	294	314	334	354	374	394	414	434
Uranium	675	675	675	675	675	675	675	675	675	675
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	31	538	538	538	538	538	538	538	538	538
Oil	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620
Saskatchewan Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	853	853	853	853	853	853	853	878	878	878
Wind	22	22	62	102	142	182	222	262	302	342
Biomass / Landfill Gas / Waste	63	63	65	67	69	71	73	75	77	79
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	1 790	1 790	1 790	1 790	1 790	1 790	1 790	1 958	1 958	1 958
Natural Gas	1 060	1 060	1 060	1 060	1 060	1 060	1 060	928	928	928
Oil	11	11	11	11	11	11	11	11	11	11
Yukon Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	77	77	77	77	77	77	77	77	77	77
Wind	1	1	1	1	5	9	9	9	9	9
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	45	45	45	49	53	57	57	57	57	57

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851
2 866	3 086	3 306	3 526	3 746	3 966	4 186	4 406	4 626	4 846	5 066	5 286	5 506	5 726	5 946	6 166
487	497	507	517	527	537	547	557	567	577	587	597	607	617	627	637
14 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	16 100	16 100	16 560
998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 698	9 698	9 698	9 698	9 698	9 698	9 698	9 698	9 748	9 748	9 748	9 748	9 748	9 748	9 748	9 748
108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	212	228	242	254	264	274	284	294	304	314	324	334	344	354	364
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182	39 182
4 478	4 978	5 478	5 978	6 478	6 978	7 478	7 978	8 478	8 978	9 478	9 998	10 538	11 098	11 678	12 278
454	474	494	514	534	554	574	594	614	634	654	674	694	714	734	754
675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538
1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620
878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
382	418	450	478	502	518	530	542	554	566	578	590	602	614	626	638
81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 658	1 658	1 658	1 658	1 575	1 575	1 270	1 270	1 325	1 325	1 325	1 325	1 325	1 325	1 325	1 325
1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188	1 188
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57

Table 5.8 Generation by Plant Type, Triple E

Triple E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	14 861	20 787	22 919	23 212	23 198	22 546	23 362	23 725	27 167	27 694
Oil/Gas Steam Turbine	17 444	17 969	17 827	17 164	15 709	17 518	16 893	13 205	12 665	12 726
Oil/Gas Combined Cycle	23 447	24 079	24 190	26 865	30 604	32 736	32 259	31 607	31 887	33 962
Coal	84 546	83 727	84 630	85 541	79 629	69 516	66 100	62 038	58 336	54 156
Nuclear	91 402	90 853	91 920	89 706	85 566	88 651	91 667	93 501	92 864	90 079
Biomass / Landfill Gas / Waste / CHP	9 181	9 181	9 864	10 486	11 175	11 820	12 465	13 110	13 689	14 202
Wind	945	1 749	4 976	8 295	10 996	13 701	16 398	19 096	21 793	24 491
Hydro / Wave / Tidal	338 414	342 960	347 550	358 383	369 761	376 240	376 555	379 346	380 063	380 170
Alberta Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	6 505	8 753	10 157	10 754	11 529	11 383	12 054	12 651	13 248	13 845
Oil/Gas Steam Turbine	1 528	1 528	1 528	1 528	1 601	1 539	1 530	1 528	1 528	1 528
Oil/Gas Combined Cycle	9 037	9 037	9 037	9 037	9 698	9 523	9 054	9 037	9 037	9 037
Coal	41 059	40 968	39 584	37 301	36 887	37 605	36 724	34 626	33 248	31 480
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	1 320	1 320	1 419	1 452	1 485	1 518	1 551	1 584	1 617	1 649
Wind	586	586	894	1 202	1 510	1 819	2 127	2 435	2 743	3 051
Hydro / Wave / Tidal	1 897	1 897	1 897	2 336	2 336	2 336	2 336	2 336	2 336	2 336
British Columbia Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	1 214	1 214	1 290	1 236	1 194	1 202	1 202	1 241	1 221	1 221
Oil/Gas Steam Turbine	3 313	3 271	3 390	2 395	1 630	1 827	1 796	1 832	1 617	1 361
Oil/Gas Combined Cycle	1 126	1 126	1 156	1 160	1 176	1 176	1 176	1 546	1 882	2 218
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	2 827	2 826	3 032	3 237	3 544	3 807	4 071	4 334	4 532	4 663
Wind	0	0	163	328	498	664	830	996	1 162	1 328
Hydro / Wave / Tidal	57 210	58 898	60 014	60 209	60 995	61 533	61 533	61 533	61 941	61 941
Manitoba Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	6	7	7	210	210	115	115	109	204	204
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	569	778	326	326	326	326	326
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	55	62	86	153	186	219	252	285	318	351
Wind	0	0	119	332	498	664	830	996	1 162	1 328
Hydro / Wave / Tidal	18 910	21 118	21 227	29 120	29 120	29 120	29 120	30 524	30 524	30 524

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
28 208	28 414	28 338	27 818	27 999	27 552	27 515	27 466	27 936	27 814	27 789	28 374	28 364	28 357	28 316	28 301
11 382	11 356	11 428	11 134	11 241	11 089	10 987	10 855	10 288	7 037	6 961	6 806	6 736	6 491	6 486	6 486
38 584	39 575	40 586	38 091	41 561	41 497	40 986	40 295	40 482	39 462	38 812	38 254	37 442	36 468	35 575	34 402
45 907	41 377	38 240	36 649	31 089	29 333	27 922	28 654	25 098	23 312	21 883	20 236	18 965	18 950	17 462	15 972
90 280	92 876	93 794	96 553	94 526	93 410	93 273	92 144	91 285	100 037	101 339	101 181	100 368	100 192	99 177	99 582
14 717	15 231	15 744	16 246	16 761	17 274	17 796	18 308	18 821	19 333	19 846	20 358	20 870	21 383	21 895	22 407
27 189	29 848	32 467	35 017	37 595	40 121	42 703	45 238	47 773	50 308	52 849	55 431	58 063	60 741	63 471	66 243
393 592	394 225	395 859	403 438	403 533	403 449	413 763	413 669	413 558	413 506	413 368	413 265	413 322	413 177	412 999	412 912
14 442	14 442	14 442	14 442	14 442	14 442	14 442	14 442	15 039	15 039	15 039	15 636	15 636	15 636	15 636	15 636
1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 528
9 037	9 037	9 037	9 037	9 037	9 037	9 037	9 037	9 037	9 037	9 114	9 052	9 037	9 037	9 037	9 037
29 868	29 029	27 783	26 928	25 186	23 951	22 952	24 065	21 865	20 487	19 248	17 889	16 782	16 992	15 655	14 653
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 682	1 715	1 748	1 781	1 814	1 847	1 880	1 913	1 946	1 979	2 012	2 045	2 077	2 110	2 143	2 176
3 359	3 637	3 883	4 099	4 284	4 438	4 592	4 746	4 900	5 054	5 208	5 363	5 517	5 671	5 825	5 979
2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336
1 221	1 221	1 202	1 221	1 207	1 202	1 202	1 241	1 221	1 221	1 221	1 214	1 202	1 221	1 204	1 202
1 092	918	768	768	768	768	768	768	768	768	768	768	768	768	768	768
2 554	2 830	3 056	3 122	3 086	3 068	3 071	3 225	3 201	3 157	3 125	3 108	3 047	3 154	3 103	3 031
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 795	4 927	5 059	5 190	5 322	5 454	5 585	5 717	5 849	5 980	6 112	6 244	6 376	6 507	6 639	6 771
1 494	1 671	1 861	2 062	2 276	2 501	2 738	2 975	3 212	3 449	3 686	3 923	4 160	4 398	4 635	4 872
62 335	62 335	62 335	66 708	66 708	66 708	66 734	66 734	66 734	66 760	66 760	66 760	66 787	66 787	66 787	66 813
30	45	204	203	203	17	14	14	14	14	14	14	14	14	14	14
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	131	131	131	131	131	131	131	131	131	131	131	131	102	90	90
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384	417	450	471	507	539	581	614	647	680	713	746	779	812	845	878
1 494	1 671	1 861	2 014	2 236	2 459	2 738	2 975	3 212	3 449	3 686	3 923	4 160	4 398	4 635	4 872
30 524	30 524	30 524	33 560	33 761	33 777	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132

Triple E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	10	10	10	158	158	112	112	112	66	74
Oil/Gas Steam Turbine	2 517	3 018	2 669	3 994	3 864	4 993	4 509	3 627	3 595	3 582
Oil/Gas Combined Cycle	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
Coal	3 073	3 101	3 101	3 295	3 101	3 101	2 822	2 550	2 462	2 361
Nuclear	4 550	4 702	4 524	3 761	0	3 456	4 280	4 199	4 132	4 062
Biomass / Landfill Gas / Waste / CHP	904	904	937	970	1 003	1 036	1 069	1 102	1 134	1 167
Wind	0	0	95	190	285	379	474	569	664	759
Hydro / Wave / Tidal	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
Nefoundland and Labrador Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	769	772	790	780	769	757	750	747	754	756
Oil/Gas Steam Turbine	1 837	2 010	2 255	2 176	1 896	1 510	1 274	0	1	3
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	1 176	1 417	1 461
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	33	66	99	132	164	196	229	262
Wind	0	0	12	12	24	36	47	59	71	82
Hydro / Wave / Tidal	40 353	40 403	40 471	40 415	40 401	40 248	40 117	40 031	40 104	40 083
Nova Scotia Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	543	602	589	580	525	462	436	305	255	261
Oil/Gas Steam Turbine	2 561	2 561	2 561	2 175	2 064	2 561	2 561	1 225	1 225	1 225
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	6 482	6 633	6 533	7 462	7 005	5 987	5 823	7 149	7 011	6 858
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	341	341	373	406	439	472	505	538	571	604
Wind	111	111	194	194	277	360	443	526	609	692
Hydro / Wave / Tidal	966	966	966	966	966	966	966	966	966	966
Nunavut Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	213	229	237	248	247	237	229	214	204	192
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	10	28	47	66	85	104
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Northwest Territories Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	397	416	417	414	411	409	407	421	428	419
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0	0
Hydro / Wave / Tidal	287	287	287	287	287	287	287	287	287	287

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
46	60	12	10	10	10	10	10	10	10	10	10	10	10	10	10
3 564	3 765	3 985	4 005	3 967	4 028	3 964	3 889	3 781	538	463	307	239	0	0	0
1 598	1 598	2 040	2 003	2 057	1 856	1 808	1 754	1 708	1 849	1 793	1 667	1 638	1 777	1 719	1 663
2 296	2 241	2 151	2 043	1 940	2 095	2 006	1 908	1 797	1 605	1 605	1 493	1 456	1 381	1 293	988
4 015	3 977	3 915	3 835	3 766	3 956	3 894	3 831	3 752	9 386	9 386	9 386	9 386	9 386	9 386	9 197
1 200	1 233	1 266	1 299	1 332	1 365	1 398	1 431	1 464	1 497	1 530	1 562	1 595	1 628	1 661	1 694
853	948	1 043	1 138	1 233	1 328	1 422	1 517	1 612	1 707	1 802	1 897	1 991	2 086	2 181	2 276
2 815	2 815	2 815	2 828	2 828	2 828	2 841	2 841	2 841	2 855	2 855	2 855	2 868	2 868	2 868	2 881
754	751	747	742	738	734	731	728	723	719	711	706	707	698	685	677
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 392	1 280	1 134	979	822	683	569	454	323	233	181	154	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296	329	362	394	426	458	490	522	554	586	618	649	681	712	744	775
95	107	118	130	142	153	165	176	188	199	211	222	233	245	256	267
52 186	52 137	52 062	51 970	51 864	51 759	51 663	51 570	51 458	51 354	51 214	51 110	51 115	50 967	50 789	50 650
154	336	171	87	14	0	0	0	0	0	0	0	0	0	0	0
83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
626	1 038	2 277	2 228	5 228	5 202	5 167	5 133	6 043	5 915	5 803	5 751	5 609	5 483	5 326	5 178
7 247	6 731	5 406	5 278	2 017	1 720	1 569	1 414	302	222	155	72	42	18	5	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
637	670	703	736	769	801	834	867	900	933	966	999	1 032	1 065	1 098	1 131
775	850	916	974	1 024	1 065	1 107	1 148	1 190	1 231	1 273	1 314	1 356	1 397	1 439	1 480
979	979	979	992	992	992	1 005	1 005	1 005	1 018	1 018	1 018	1 031	1 031	1 031	1 045
176	173	179	176	176	179	180	182	183	186	183	184	188	189	186	187
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	133	133	142	151	157	163	163	163	163	168	168	171	171	176	176
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
418	418	413	406	400	400	399	394	388	382	378	375	373	364	362	357
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287

Triple-E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	1 987	1 987	2 604	1 987	2 149	2 307	2 496	2 435	5 334	5 254
Oil/Gas Steam Turbine	2 100	1 974	1 809	1 326	1 329	1 926	2 163	1 935	1 767	2 134
Oil/Gas Combined Cycle	8 410	9 042	9 123	11 793	14 856	17 163	17 156	14 973	14 677	16 371
Coal	21 834	20 755	23 155	25 008	19 929	12 466	10 828	9 189	7 550	5 912
Nuclear	83 361	82 659	83 949	80 967	81 833	85 195	83 654	84 323	83 753	81 039
Biomass / Landfill Gas / Waste / CHP	1 654	1 654	1 752	1 818	1 884	1 950	2 016	2 082	2 147	2 213
Wind	16	819	2 259	3 470	3 992	4 514	5 035	5 557	6 078	6 600
Hydro / Wave / Tidal	37 751	37 777	37 777	37 868	39 590	40 249	40 249	40 249	40 249	40 249
Prince Edward Island Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	10	10	10	77	56	35	35	22	22	10
Oil/Gas Steam Turbine	63	63	63	63	63	63	63	63	63	63
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	14	14	20	27	34	40	47	53	60	67
Wind	0	0	47	95	142	190	237	285	332	379
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Quebec Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	2 875	6 422	6 436	6 436	5 511	5 210	5 210	5 155	5 119	5 150
Oil/Gas Steam Turbine	3 205	3 197	3 205	3 205	2 905	2 861	2 779	2 779	2 654	2 616
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	3 491	3 491	3 447	4 978	3 734	0	3 734	4 978	4 978	4 978
Biomass / Landfill Gas / Waste / CHP	1 785	1 780	1 917	2 049	2 180	2 312	2 444	2 575	2 707	2 839
Wind	174	174	1 039	2 225	3 410	4 595	5 781	6 966	8 151	9 337
Hydro / Wave / Tidal	174 798	175 369	178 667	180 935	189 825	195 269	195 713	197 072	197 310	197 440
Saskatchewan Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	257	286	290	248	358	241	241	241	241	241
Oil/Gas Steam Turbine	322	347	349	302	357	240	220	216	216	216
Oil/Gas Combined Cycle	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276
Coal	12 099	12 271	12 257	11 906	11 929	10 031	9 578	8 199	7 738	7 219
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	282	282	295	308	321	334	347	361	374	387
Wind	59	59	153	248	343	438	533	628	722	817
Hydro / Wave / Tidal	3 191	3 191	3 191	3 191	3 191	3 191	3 191	3 305	3 305	3 305
Yukon Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	75	79	82	84	82	78	77	73	72	69
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	8	15	15	15	15	15
Hydro / Wave / Tidal	249	252	252	254	250	242	242	242	239	237

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5 546	5 546	5 546	5 108	5 386	5 141	5 115	5 056	5 009	4 905	4 895	4 895	4 895	4 895	4 895	4 895
2 258	2 205	2 207	1 894	2 039	1 825	1 792	1 750	1 326	1 326	1 326	1 326	1 326	1 326	1 326	1 326
17 153	17 514	16 763	14 443	15 061	15 490	15 259	14 840	14 514	13 793	13 480	13 342	13 093	12 202	11 859	11 027
2 635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 286	83 921	84 901	87 739	85 782	84 476	84 401	83 335	82 555	85 672	86 975	86 817	86 004	85 828	84 813	85 407
2 279	2 345	2 411	2 477	2 543	2 608	2 674	2 740	2 806	2 872	2 938	3 003	3 069	3 135	3 201	3 267
7 121	7 643	8 164	8 686	9 207	9 729	10 250	10 772	11 293	11 815	12 336	12 858	13 380	13 901	14 423	14 944
40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	80	86	93	99	106	113	119	126	132	139	146	152	159	165	172
427	469	507	541	569	593	616	640	664	688	711	735	759	782	806	830
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 101	5 101	5 101	5 101	5 101	5 101	5 095	5 073	5 023	5 011	5 011	5 011	5 009	5 000	4 993	4 993
2 578	2 578	2 578	2 578	2 578	2 578	2 574	2 559	2 523	2 515	2 515	2 515	2 513	2 507	2 502	2 502
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978
2 970	3 102	3 234	3 366	3 497	3 629	3 761	3 892	4 024	4 156	4 287	4 419	4 551	4 683	4 814	4 946
10 522	11 707	12 892	14 078	15 263	16 448	17 634	18 819	20 004	21 190	22 375	23 608	24 888	26 215	27 590	29 013
198 340	199 018	200 729	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967
241	241	241	241	241	241	241	241	241	241	241	241	241	241	241	241
216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216
6 225	6 279	6 279	6 279	6 269	6 161	6 075	5 852	5 656	5 477	5 316	5 180	5 016	4 815	4 532	4 467
3 731	3 244	2 769	2 269	1 815	1 437	1 265	1 135	1 004	868	744	651	554	457	419	241
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	413	426	440	453	466	479	492	505	519	532	545	558	571	585	598
912	997	1 073	1 140	1 196	1 234	1 263	1 291	1 320	1 348	1 377	1 405	1 434	1 462	1 490	1 519
3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305
70	70	71	70	72	75	75	77	76	77	77	79	80	80	81	81
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16
237	239	239	237	237	242	244	244	244	244	247	247	247	249	249	249

Table 5.9 Generation by Fuel, Triple E

Triple E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	338 413	342 959	347 549	358 383	369 761	376 240	376 555	379 346	380 062	380 169
Wind	945	1 749	4 976	8 295	10 996	13 701	16 398	19 096	21 793	24 491
Biomass / Landfill Gas / Waste	10 689	10 690	11 391	12 015	13 374	13 844	14 020	14 648	15 227	15 741
Uranium	91 402	90 853	91 920	89 706	85 566	88 651	91 667	93 501	92 864	90 079
Coal & Coke	84 978	84 159	85 062	85 973	80 061	69 948	66 532	62 470	58 768	54 588
Natural Gas	38 830	45 163	45 916	47 176	50 621	53 307	53 630	51 599	54 789	56 849
Oil	14 982	15 731	17 062	18 103	16 257	17 037	16 897	14 967	14 960	15 562
Alberta Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	1 896	1 896	1 896	2 335	2 335	2 335	2 335	2 335	2 335	2 335
Wind	586	586	894	1 202	1 510	1 819	2 127	2 435	2 743	3 051
Biomass / Landfill Gas / Waste	1 705	1 705	1 804	1 837	2 531	2 389	1 952	1 969	2 002	2 035
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	41 491	41 400	40 016	37 733	37 319	38 037	37 156	35 058	33 680	31 912
Natural Gas	16 208	18 456	18 456	19 053	19 900	19 691	19 651	19 650	20 247	20 247
Oil	45	45	1 450	1 450	1 450	1 450	2 152	2 749	2 749	3 346
British Columbia Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	57 210	58 898	60 014	60 209	60 995	61 533	61 533	61 533	61 941	61 941
Wind	0	0	163	328	498	664	830	996	1 162	1 328
Biomass / Landfill Gas / Waste	3 512	3 511	3 735	3 943	4 259	4 522	4 786	5 049	5 247	5 378
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	4 866	4 823	5 029	3 994	3 203	3 407	3 376	3 822	3 923	4 002
Oil	102	102	104	93	82	82	82	82	82	82
Manitoba Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	18 910	21 118	21 227	29 120	29 120	29 120	29 120	30 524	30 524	30 524
Wind	0	0	119	332	498	664	830	996	1 162	1 328
Biomass / Landfill Gas / Waste	55	62	86	153	186	219	252	285	318	351
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	569	778	326	326	326	326	326
Natural Gas	0	0	0	189	189	95	95	95	189	189
Oil	6	7	7	20	20	20	20	14	14	14

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
393 539	394 171	395 806	403 332	403 427	403 343	413 604	413 511	413 400	413 295	413 157	413 054	413 059	412 913	412 735	412 596
27 189	29 848	32 467	35 017	37 596	40 121	42 703	45 238	47 773	50 308	52 849	55 431	58 063	60 741	63 471	66 243
16 256	16 769	17 283	17 784	18 300	18 812	19 334	19 847	20 359	20 872	21 461	21 912	22 409	22 921	23 433	23 945
90 280	92 876	93 794	96 553	94 526	93 410	93 273	92 144	91 285	100 037	101 339	101 181	100 368	100 192	99 177	99 582
46 339	41 809	38 672	37 081	31 521	29 765	28 354	29 086	25 530	23 744	22 315	20 668	19 397	19 382	17 894	16 404
62 087	62 990	64 127	61 028	65 059	64 997	64 445	63 708	63 426	62 318	61 596	61 101	60 354	59 397	58 484	57 305
14 116	14 384	14 254	14 046	13 771	13 170	13 073	12 938	13 310	10 024	9 919	10 346	10 218	9 948	9 924	9 914
2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335
3 359	3 637	3 883	4 099	4 284	4 438	4 592	4 746	4 900	5 054	5 208	5 363	5 517	5 671	5 825	5 979
2 068	2 101	2 133	2 166	2 199	2 232	2 265	2 298	2 331	2 364	2 474	2 445	2 463	2 496	2 529	2 561
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 300	29 461	28 215	27 360	25 618	24 383	23 384	24 497	22 297	20 918	19 680	18 321	17 214	17 424	16 087	15 085
20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844	20 844
3 346	3 346	3 346	3 346	3 346	3 346	3 346	3 346	3 943	3 943	3 943	4 541	4 541	4 541	4 541	4 541
62 309	62 309	62 309	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655
1 494	1 671	1 861	2 062	2 276	2 501	2 738	2 975	3 212	3 449	3 686	3 923	4 160	4 398	4 635	4 872
5 510	5 642	5 774	5 905	6 037	6 169	6 300	6 432	6 564	6 695	6 827	6 959	7 091	7 222	7 354	7 486
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 070	4 173	4 229	4 314	4 263	4 241	4 244	4 437	4 393	4 349	4 317	4 294	4 220	4 346	4 279	4 204
82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
30 524	30 524	30 524	33 560	33 761	33 777	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132
1 494	1 671	1 861	2 014	2 236	2 459	2 738	2 975	3 212	3 449	3 686	3 923	4 160	4 398	4 635	4 872
384	417	450	471	507	539	581	614	647	680	713	746	779	812	845	878
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	131	131	131	131	131	131	131	131	131	131	131	131	102	90	90
16	31	189	189	189	0	0	0	0	0	0	0	0	0	0	0
14	14	14	14	14	17	14	14	14	14	14	14	14	14	14	14

Triple-E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
Wind	0	0	95	190	285	379	474	569	664	759
Biomass / Landfill Gas / Waste	904	904	937	970	1 003	1 036	1 069	1 102	1 134	1 167
Uranium	4 550	4 702	4 524	3 761	0	3 456	4 280	4 199	4 132	4 062
Coal & Coke	3 073	3 101	3 101	3 295	3 101	3 101	2 822	2 550	2 462	2 361
Natural Gas	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
Oil	2 527	3 028	2 679	4 152	4 022	5 104	4 621	3 739	3 661	3 655
Newfoundland and Labrador Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	40 353	40 403	40 471	40 415	40 401	40 248	40 117	40 031	40 104	40 083
Wind	0	0	12	12	24	36	47	59	71	82
Biomass / Landfill Gas / Waste	0	0	33	66	99	132	164	196	229	262
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	228	229	232	231	228	224	222	221	223	224
Oil	2 378	2 553	2 813	2 725	2 437	2 042	1 801	1 702	1 949	1 996
Nova Scotia Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	966	966	966	966	966	966	966	966	966	966
Wind	111	111	194	194	277	360	443	526	609	692
Biomass / Landfill Gas / Waste	423	423	456	489	522	555	588	621	654	687
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	6 482	6 633	6 533	7 462	7 005	5 987	5 823	7 149	7 011	6 858
Natural Gas	91	108	104	132	132	91	91	91	50	50
Oil	2 930	2 972	2 963	2 541	2 374	2 849	2 823	1 356	1 347	1 353
Nunavut Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	10	28	47	66	85	104
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	213	229	237	248	247	237	229	214	204	192
Northwest Territories Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	287	287	287	287	287	287	287	287	287	287
Wind	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	397	416	417	414	411	409	407	421	428	419

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
853	948	1 043	1 138	1 233	1 328	1 422	1 517	1 612	1 707	1 802	1 897	1 991	2 086	2 181	2 276
1 200	1 233	1 266	1 299	1 332	1 365	1 398	1 431	1 464	1 497	1 530	1 562	1 595	1 628	1 661	1 694
4 015	3 977	3 915	3 835	3 766	3 956	3 894	3 831	3 752	9 386	9 386	9 386	9 386	9 386	9 386	9 197
2 296	2 241	2 151	2 043	1 940	2 095	2 006	1 908	1 797	1 605	1 605	1 493	1 456	1 381	1 293	988
1 598	1 598	2 040	2 003	2 057	1 856	1 808	1 754	1 708	1 849	1 793	1 667	1 638	1 777	1 719	1 663
3 610	3 825	3 997	4 015	3 977	4 038	3 974	3 899	3 791	548	473	317	249	10	10	10
52 186	52 137	52 062	51 970	51 864	51 759	51 663	51 570	51 458	51 354	51 214	51 110	51 115	50 967	50 789	50 650
95	107	118	130	142	153	165	176	188	199	211	222	233	245	256	267
296	329	362	394	426	458	490	522	554	586	618	649	681	712	744	775
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223	222	221	219	218	733	637	538	430	355	318	300	208	205	201	198
1 923	1 808	1 659	1 502	1 342	684	663	643	617	596	574	560	500	493	484	478
966	966	966	966	966	966	966	966	966	966	966	966	966	966	966	966
775	850	916	974	1 024	1 065	1 107	1 148	1 190	1 231	1 273	1 314	1 356	1 397	1 439	1 480
720	753	786	818	851	884	917	950	983	1 016	1 049	1 082	1 115	1 148	1 181	1 214
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 247	6 731	5 406	5 278	2 017	1 720	1 569	1 414	302	222	155	72	42	18	5	0
651	1 075	2 304	2 231	5 228	5 202	5 167	5 133	6 043	5 915	5 803	5 751	5 609	5 483	5 326	5 178
129	299	143	85	14	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	133	133	142	151	157	163	163	163	163	168	168	171	171	176	176
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	173	179	176	176	179	180	182	183	186	183	184	188	189	186	187
287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
418	418	413	406	400	400	399	394	388	382	378	375	373	364	362	357

Triple E	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	37 751	37 777	37 777	37 868	39 590	40 249	40 249	40 249	40 249	40 249
Wind	16	819	2 259	3 470	3 992	4 514	5 035	5 557	6 078	6 600
Biomass / Landfill Gas / Waste	2 207	2 207	2 306	2 372	2 438	2 504	2 569	2 635	2 701	2 767
Uranium	83 361	82 659	83 949	80 967	81 833	85 195	83 654	84 323	83 753	81 039
Coal & Coke	21 834	20 755	23 156	25 008	19 929	12 466	10 828	9 189	7 550	5 912
Natural Gas	11 776	12 284	12 815	14 387	17 613	20 676	21 095	18 623	21 059	23 039
Oil	166	166	166	166	166	166	166	166	166	166
Prince Edward Island Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	47	95	142	190	237	285	332	379
Biomass / Landfill Gas / Waste	0	0	7	13	20	26	33	40	46	53
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	86	86	86	153	132	112	112	99	99	86
Quebec Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	174 798	175 369	178 667	180 935	189 825	195 269	195 713	197 072	197 310	197 440
Wind	174	174	1 039	2 225	3 410	4 595	5 781	6 966	8 151	9 337
Biomass / Landfill Gas / Waste	1 601	1 596	1 733	1 864	1 996	2 128	2 259	2 391	2 523	2 654
Uranium	3 491	3 491	3 447	4 978	3 734	0	3 734	4 978	4 978	4 978
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	232	3 781	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793
Oil	6 032	6 022	6 032	6 032	4 808	4 463	4 381	4 326	4 165	4 158
Saskatchewan Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	3 191	3 191	3 191	3 191	3 191	3 191	3 191	3 305	3 305	3 305
Wind	59	59	153	248	343	438	533	628	722	817
Biomass / Landfill Gas / Waste	282	282	295	308	321	334	347	361	374	387
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	12 099	12 271	12 257	11 906	11 929	10 031	9 578	8 199	7 738	7 219
Natural Gas	3 830	3 884	3 890	3 800	3 966	3 732	3 711	3 707	3 707	3 707
Oil	26	26	26	26	26	26	26	26	26	26
Yukon Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	249	252	252	254	250	242	242	242	239	237
Wind	0	0	0	0	8	15	15	15	15	15
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	75	79	82	84	82	78	77	73	72	69

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249
7 121	7 643	8 164	8 686	9 207	9 729	10 250	10 772	11 293	11 815	12 336	12 858	13 380	13 901	14 423	14 944
2 833	2 899	2 965	3 030	3 096	3 162	3 228	3 294	3 360	3 425	3 491	3 557	3 623	3 689	3 755	3 821
81 286	83 921	84 901	87 739	85 782	84 476	84 401	83 335	82 555	85 672	86 975	86 817	86 004	85 828	84 813	85 407
2 635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 238	24 545	23 797	20 725	21 767	21 736	21 447	20 927	20 129	19 305	18 981	18 843	18 595	17 703	17 361	16 529
166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427	469	507	541	569	593	616	640	664	688	711	735	759	782	806	830
59	66	72	79	86	92	99	105	112	119	125	132	138	145	152	158
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
198 340	199 018	200 728	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967	200 967
10 522	11 707	12 892	14 078	15 263	16 448	17 634	18 819	20 004	21 190	22 375	23 608	24 888	26 215	27 590	29 013
2 786	2 918	3 050	3 181	3 313	3 445	3 576	3 708	3 840	3 971	4 103	4 235	4 367	4 498	4 630	4 762
4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793
4 071	4 071	4 071	4 071	4 071	4 071	4 061	4 023	3 938	3 917	3 917	3 917	3 913	3 899	3 887	3 887
3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305
912	997	1 073	1 140	1 196	1 234	1 263	1 291	1 320	1 348	1 377	1 405	1 434	1 462	1 490	1 519
400	413	426	440	453	466	479	492	505	519	532	545	558	571	585	598
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 731	3 244	2 769	2 269	1 815	1 437	1 265	1 135	1 004	868	744	651	554	457	419	241
6 655	6 710	6 710	6 710	6 700	6 592	6 506	6 283	6 087	5 908	5 747	5 611	5 447	5 246	4 962	4 897
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
237	239	239	237	237	242	244	244	244	244	247	247	247	249	249	249
15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	70	71	70	72	75	75	77	76	77	77	79	80	80	81	81

Table 5.10 Interchange, Triple E

Triple-E

Alberta		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
British Columbia	Sales to British Columbia	3 073	2 283	2 810	2 512	2 878	3 138	3 099	1 904	1 760	1 760
	Sales to Alberta	0	1 098	1 098	1 052	1 908	935	1 139	121	428	506
	Net Out-Flow	3 073	1 185	1 712	1 460	970	2 203	1 960	1 783	1 332	1 254
SK	Sales to Saskatchewan	1 010	1 098	1 098	1 098	1 317	1 198	1 312	1 317	1 317	1 317
	Sales to Alberta	0	0	0	0	0	0	0	0	0	0
	Net Out-Flow	1 010	1 098	1 098	1 098	1 317	1 198	1 312	1 317	1 317	1 317
United States	Exports to United States	0	0	0	0	0	0	0	0	0	0
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	0	0	0	0	0	0	0	0	0	0
Total	Out	4 083	3 381	3 908	3 610	4 195	4 336	4 411	3 221	3 077	3 077
	In	0	1 098	1 098	1 052	1 908	935	1 139	121	428	506
	Net Out	4 083	2 283	2 810	2 558	2 287	3 401	3 272	3 100	2 649	2 571
British Columbia		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alberta	Sales to Alberta	0	1 098	1 098	1 052	1 908	935	1 139	121	428	506
	Sales to British Columbia	3 073	2 283	2 810	2 512	2 878	3 138	3 099	1 904	1 760	1 760
	Net Out-Flow	-3 073	-1 185	-1 712	-1 460	-970	-2 203	-1 960	-1 783	-1 332	-1 254
United States	Exports to United States	3 073	1 844	3 249	2 894	2 316	3 889	3 926	5 466	5 080	5 417
	Imports from United States	527	263	88	88	88	0	0	149	59	10
	Net Exports	2 546	1 581	3 161	2 806	2 228	3 889	3 926	5 317	5 021	5 407
Total	Out	3 073	2 942	4 347	3 946	4 224	4 824	5 065	5 587	5 508	5 923
	In	3 600	2 546	2 898	2 600	2 966	3 138	3 099	2 053	1 819	1 770
	Net Out	-527	396	1 449	1 346	1 258	1 686	1 966	3 534	3 689	4 153
Manitoba		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
SK	Sales to Saskatchewan	0	0	6	0	791	526	526	737	737	737
	Sales to Manitoba	2 063	2 107	2 107	826	1 232	35	35	14	14	14
	Net Out-Flow	-2 063	-2 107	-2 101	-826	-441	491	491	723	723	723
Ontario	Sales to Ontario Hydro	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
	Sales to Manitoba	1 756	0	0	1 229	1 756	1 135	746	1 200	1 272	1 238
	Net Out-Flow	878	2 634	2 634	1 405	878	1 499	1 888	1 434	1 362	1 396
United States	Exports to United States	11 151	10 273	10 185	9 437	9 710	7 953	7 682	9 433	9 861	10 105
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	11 151	10 273	10 185	9 437	9 710	7 953	7 682	9 433	9 861	10 105
Total	Out	13 785	12 907	12 825	12 071	13 135	11 113	10 842	12 804	13 232	13 476
	In	3 819	2 107	2 107	2 055	2 988	1 170	781	1 214	1 286	1 252
	Net Out	9 966	10 800	10 718	10 016	10 147	9 943	10 061	11 590	11 946	12 224

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 760	1 760	1 760	1 886	1 760	1 760	1 760	3 300	2 763	2 237	1 879	1 760	1 760	2 246	1 782	1 760
813	699	645	99	389	564	556	0	0	0	33	151	565	0	111	512
947	1 061	1 115	1 787	1 371	1 196	1 204	3 300	2 763	2 237	1 846	1 609	1 195	2 246	1 671	1 248
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 077	3 077	3 077	3 203	3 077	3 077	3 077	4 617	4 080	3 554	3 196	3 077	3 077	3 563	3 099	3 077
813	699	645	99	389	564	556	0	0	0	33	151	565	0	111	512
2 264	2 378	2 432	3 104	2 688	2 513	2 521	4 617	4 080	3 554	3 163	2 926	2 512	3 563	2 988	2 565
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
813	699	645	99	389	564	556	0	0	0	33	151	565	0	111	512
1 760	1 760	1 760	1 886	1 760	1 760	1 760	3 300	2 763	2 237	1 879	1 760	1 760	2 246	1 782	1 760
-947	-1 061	-1 115	-1 787	-1 371	-1 196	-1 204	-3 300	-2 763	-2 237	-1 846	-1 609	-1 195	-2 246	-1 671	-1 248
5 364	5 368	5 785	11 580	11 816	11 879	12 303	15 099	15 421	15 729	15 949	16 062	16 275	18 379	18 714	18 934
0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 364	5 334	5 785	11 580	11 816	11 879	12 303	15 099	15 421	15 729	15 949	16 062	16 275	18 379	18 714	18 934
6 177	6 067	6 430	11 679	12 205	12 443	12 859	15 099	15 421	15 729	15 982	16 213	16 840	18 379	18 825	19 446
1 760	1 794	1 760	1 886	1 760	1 760	1 760	3 300	2 763	2 237	1 879	1 760	1 760	2 246	1 782	1 760
4 417	4 273	4 670	9 793	10 445	10 683	11 099	11 799	12 658	13 492	14 103	14 453	15 080	16 133	17 043	17 686
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
737	737	737	737	737	737	737	737	737	737	737	737	737	700	747	696
14	14	14	14	14	5	5	7	14	14	14	14	5	5	5	5
723	723	723	723	723	732	732	730	723	723	723	723	732	695	742	691
2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
1 052	1 045	966	754	538	525	1 019	822	531	425	1 335	1 316	1 148	866	625	858
1 582	1 589	1 668	1 880	2 096	2 109	1 615	1 812	2 103	2 209	1 299	1 318	1 486	1 768	2 009	1 776
9 687	9 875	10 217	13 366	13 776	13 932	25 148	25 430	25 617	25 959	27 250	27 583	27 825	28 023	28 184	28 865
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 687	9 875	10 217	13 366	13 776	13 932	25 148	25 430	25 617	25 959	27 250	27 583	27 825	28 023	28 184	28 865
13 058	13 246	13 588	16 737	17 147	17 303	28 519	28 801	28 988	29 330	30 621	30 954	31 196	31 357	31 565	32 195
1 066	1 059	980	768	552	530	1 024	829	545	439	1 349	1 330	1 153	871	630	863
11 992	12 187	12 608	15 969	16 595	16 773	27 495	27 972	28 443	28 891	29 272	29 624	30 043	30 486	30 935	31 332

New Brunswick		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nova Scotia	Sales to Nova Scotia	309	0	0	37	148	252	295	270	265	253
	Sales to New Brunswick	16	1 054	659	1 013	491	89	103	107	91	171
	Net Out-Flow	293	-1 054	-659	-976	-343	163	192	163	174	82
Prince Edward Island	Sales to Prince Edward Island	1 110	1 124	1 074	954	928	906	866	824	772	729
	Sales to New Brunswick	0	0	0	0	0	0	0	0	0	0
	Net Out-Flow	1 110	1 124	1 074	954	928	906	866	824	772	729
Quebec	Sales to Hydro Quebec	6 014	7 814	7 112	5 609	1 663	2 307	2 540	1 659	1 703	1 931
	Sales to New Brunswick	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
	Net Out-Flow	-2 766	-966	-1 668	-3 171	-7 117	-6 473	-6 240	-7 121	-7 077	-6 849
United States	Exports to United States	3 951	3 775	3 775	3 184	2 634	6 146	6 146	6 146	6 146	6 146
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	3 951	3 775	3 775	3 184	2 634	6 146	6 146	6 146	6 146	6 146
Total	Out	11 384	12 713	11 961	9 784	5 373	9 611	9 847	8 899	8 886	9 059
	In	8 796	9 834	9 439	9 793	9 271	8 869	8 883	8 887	8 871	8 951
	Net Out	2 588	2 879	2 522	-9	-3 898	742	964	12	15	108

Newfoundland and Labrador		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Quebec	Sales to Hydro Quebec	32 267	32 328	32 328	32 328	32 432	32 474	32 486	32 486	32 486	32 486
	Sales to Labrador	0	3	6	0	1	0	0	0	0	0
	Net Out-Flow	32 267	32 325	32 322	32 328	32 431	32 474	32 486	32 486	32 486	32 486

Nova Scotia		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	16	1 054	659	1 013	491	89	103	107	91	171
	Sales to Nova Scotia	309	0	0	37	148	252	295	270	265	253
	Net Out-Flow	-293	1 054	659	976	343	-163	-192	-163	-174	-82

Ontario		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Manitoba	Sales to Manitoba	1 756	0	0	1 229	1 756	1 135	746	1 200	1 272	1 238
	Sales to Ontario Hydro	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
	Net Out-Flow	-878	-2 634	-2 634	-1 405	-878	-1 499	-1 888	-1 434	-1 362	-1 396
Quebec	Sales to Hydro Quebec	878	878	878	878	1 864	3 237	2 632	1 949	1 909	1 189
	Sales to Ontario Hydro	0	0	0	0	3 158	4 918	6 863	7 895	7 895	7 895
	Net Out-Flow	878	878	878	878	-1 294	-1 681	-4 231	-5 946	-5 986	-6 706
United States	Exports to United States	878	439	386	878	878	878	631	654	649	632
	Imports from United States	0	0	0	0	0	0	0	1 053	961	1 053
	Net Exports	878	439	386	878	878	878	631	-399	-312	-421
Total	Out	3 512	1 317	1 264	2 985	4 498	5 250	4 009	3 803	3 830	3 059
	In	2 634	2 634	2 634	2 634	5 792	7 552	9 497	11 582	11 490	11 582
	Net Out	878	-1 317	-1 370	351	-1 294	-2 302	-5 488	-7 779	-7 660	-8 523

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
295	295	295	295	295	351	351	351	351	351	351	351	351	331	332	322
139	349	290	253	120	0	0	0	0	0	0	0	0	3	0	3
156	-54	5	42	175	351	351	351	351	351	351	351	351	328	332	319
684	638	593	553	516	488	466	441	419	398	377	355	333	318	306	294
0	0	0	0	0	2	14	23	32	41	50	59	68	89	107	125
684	638	593	553	516	486	452	418	387	357	327	296	265	229	199	169
1 905	2 402	3 085	3 201	3 253	3 520	3 520	3 520	3 520	6 189	6 350	6 172	6 336	6 525	6 706	6 471
8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
-6 875	-6 378	-5 695	-5 579	-5 527	-5 260	-5 260	-5 260	-5 260	-2 591	-2 430	-2 608	-2 444	-2 255	-2 074	-2 309
6 146	6 137	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 146	6 137	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146
9 030	9 472	10 119	10 195	10 210	10 505	10 483	10 458	10 436	13 084	13 224	13 024	13 166	13 320	13 490	13 233
8 919	9 129	9 070	9 033	8 900	8 782	8 794	8 803	8 812	8 821	8 830	8 839	8 848	8 872	8 887	8 908
111	343	1 049	1 162	1 310	1 723	1 689	1 655	1 624	4 263	4 394	4 185	4 318	4 448	4 603	4 325

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
44 671	44 720	44 751	44 770	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 671	44 720	44 751	44 770	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
139	349	290	253	120	0	0	0	0	0	0	0	0	3	0	3
295	295	295	295	295	351	351	351	351	351	351	351	351	331	332	322
-156	54	-5	-42	-175	-351	-351	-351	-351	-351	-351	-351	-351	-328	-332	-319

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 052	1 045	966	754	538	525	1 019	822	531	425	1 335	1 316	1 148	866	625	858
2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
-1 582	-1 589	-1 668	-1 880	-2 096	-2 109	-1 615	-1 812	-2 103	-2 209	-1 299	-1 318	-1 486	-1 768	-2 009	-1 776
1 171	1 162	1 185	1 371	1 968	1 543	1 643	1 809	2 046	2 421	2 504	2 504	2 504	2 504	2 641	3 468
9 706	9 437	8 971	8 489	8 348	8 596	8 607	8 724	9 026	6 673	5 486	6 057	5 583	4 513	4 317	4 370
-8 535	-8 275	-7 786	-7 118	-6 380	-7 053	-6 964	-6 915	-6 980	-4 252	-2 982	-3 553	-3 079	-2 009	-1 676	-902
526	526	526	641	553	526	526	526	581	667	667	667	667	723	823	878
1 053	1 141	1 053	1 053	1 053	1 153	1 142	1 114	1 061	525	525	0	0	204	0	0
-527	-615	-527	-412	-500	-627	-616	-588	-480	142	142	667	667	519	823	878
2 749	2 733	2 677	2 766	3 059	2 594	3 188	3 157	3 158	3 513	4 506	4 487	4 319	4 093	4 089	5 204
13 393	13 212	12 658	12 176	12 035	12 383	12 383	12 472	12 721	9 832	8 645	8 691	8 217	7 351	6 951	7 004
-10 644	-10 479	-9 981	-9 410	-8 976	-9 789	-9 195	-9 315	-9 563	-6 319	-4 139	-4 204	-3 898	-3 258	-2 862	-1 800

Prince Edward Island		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	0	0	0	0	0	0	0	0	0	0
	Sales to Prince Edward Island	1 110	1 124	1 074	954	928	906	866	824	772	729
	Net Out-Flow	-1 110	-1 124	-1 074	-954	-928	-906	-866	-824	-772	-729

Quebec		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
	Sales to Hydro Quebec	6 014	7 814	7 112	5 609	1 663	2 307	2 540	1 659	1 703	1 931
	Net Out-Flow	2 766	966	1 668	3 171	7 117	6 473	6 240	7 121	7 077	6 849
Newfoundland and Labrador	Sales to Labrador	0	3	6	0	1	0	0	0	0	0
	Sales to Hydro Quebec	32 267	32 328	32 328	32 328	32 432	32 474	32 486	32 486	32 486	32 486
	Net Out-Flow	-32 267	-32 325	-32 322	-32 328	-32 431	-32 474	-32 486	-32 486	-32 486	-32 486
Ontario	Sales to Ontario Hydro	0	0	0	0	3 158	4 918	6 863	7 895	7 895	7 895
	Sales to Hydro Quebec	878	878	878	878	1 864	3 237	2 632	1 949	1 909	1 189
	Net Out-Flow	-878	-878	-878	-878	1 294	1 681	4 231	5 946	5 986	6 706
United States	Exports to United States	7 287	11 414	11 414	11 414	12 793	12 886	13 076	14 135	14 742	14 996
	Imports from United States	1 185	966	659	659	0	0	0	0	0	0
	Net Exports	6 102	10 448	10 755	10 755	12 793	12 886	13 076	14 135	14 742	14 996
Total	Out	16 067	20 197	20 200	20 194	24 732	26 584	28 719	30 810	31 417	31 671
	In	40 344	41 986	40 977	39 474	35 959	38 018	37 658	36 094	36 098	35 606
	Net Out	-24 277	-21 789	-20 777	-19 280	-11 227	-11 434	-8 939	-5 284	-4 681	-3 935

Saskatchewan		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alberta	Sales to Alberta	0	0	0	0	0	0	0	0	0	0
	Sales to Saskatchewan	1 010	1 098	1 098	1 098	1 317	1 198	1 312	1 317	1 317	1 317
	Net Out-Flow	-1 010	-1 098	-1 098	-1 098	-1 317	-1 198	-1 312	-1 317	-1 317	-1 317
Manitoba	Sales to Manitoba	2 063	2 107	2 107	826	1 232	35	35	14	14	14
	Sales to Saskatchewan	0	0	6	0	791	526	526	737	737	737
	Net Out-Flow	2 063	2 107	2 101	826	441	-491	-491	-723	-723	-723
United States	Exports to United States	1 317	1 201	1 198	1 229	1 317	528	528	212	212	212
	Imports from United States	0	0	0	0	0	263	263	368	368	368
	Net Exports	1 317	1 201	1 198	1 229	1 317	265	265	-156	-156	-156
Total	Out	3 380	3 308	3 305	2 055	2 549	563	563	226	226	226
	In	1 010	1 098	1 104	1 098	2 108	1 987	2 101	2 422	2 422	2 422
	Net Out	2 370	2 210	2 201	957	441	-1 424	-1 538	-2 196	-2 196	-2 196

Canada Total		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	In-Flows	59 909	61 199	60 588	58 949	61 980	62 564	64 055	61 897	62 063	61 640
	Out-Flows	59 909	61 199	60 588	58 949	61 980	62 564	64 055	61 897	62 063	61 640
	Exports	27 657	29 369	30 572	29 915	30 525	32 975	32 541	36 635	37 283	38 039
	Imports	1 712	1 229	746	746	88	263	263	2 223	1 913	2 484
	Net Exports	25 945	28 139	29 825	29 169	30 437	32 712	32 278	34 412	35 370	35 554

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0	0	0	0	0	2	14	23	32	41	50	59	68	89	107	125
684	638	593	553	516	488	466	441	419	398	377	355	333	318	306	294
-684	-638	-593	-553	-516	-486	-452	-418	-387	-357	-327	-296	-265	-229	-199	-169
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
1 905	2 402	3 085	3 201	3 253	3 520	3 520	3 520	3 520	6 189	6 350	6 172	6 336	6 525	6 706	6 471
6 875	6 378	5 695	5 579	5 527	5 260	5 260	5 260	5 260	2 591	2 430	2 608	2 444	2 255	2 074	2 309
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 671	44 720	44 751	44 770	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778	44 778
-44 671	-44 720	-44 751	-44 770	-44 778	-44 778	-44 778	-44 778	-44 778	-44 778	-44 778	-44 778	-44 778	-44 778	-44 778	-44 778
9 706	9 437	8 971	8 489	8 348	8 596	8 607	8 724	9 026	6 673	5 486	6 057	5 583	4 513	4 317	4 370
1 171	1 162	1 185	1 371	1 968	1 543	1 643	1 809	2 046	2 421	2 504	2 504	2 504	2 504	2 641	3 468
8 535	8 275	7 786	7 118	6 380	7 053	6 964	6 915	6 980	4 252	2 982	3 553	3 079	2 009	1 676	902
24 554	24 264	27 941	31 478	34 606	34 429	35 265	37 155	40 150	48 294	51 341	51 192	54 048	59 115	63 439	66 386
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 554	24 264	27 941	31 478	34 606	34 429	35 265	37 155	40 150	48 294	51 341	51 192	54 048	59 115	63 439	66 386
43 040	42 481	45 692	48 747	51 734	51 805	52 652	54 659	57 956	63 747	65 607	66 029	68 411	72 408	76 536	79 536
47 747	48 284	49 021	49 342	49 999	49 841	49 941	50 107	50 344	53 388	53 632	53 454	53 618	53 807	54 125	54 717
-4 707	-5 803	-3 329	-595	1 735	1 964	2 711	4 552	7 612	10 359	11 975	12 575	14 793	18 601	22 411	24 819
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317
14	14	14	14	14	5	5	7	14	14	14	14	5	5	5	5
737	737	737	737	737	737	737	737	737	737	737	737	737	700	747	696
-723	-723	-723	-723	-723	-732	-732	-730	-723	-723	-723	-723	-732	-695	-742	-691
212	212	212	212	212	125	159	201	212	212	212	212	212	187	212	80
368	368	368	368	368	368	368	368	368	368	368	358	319	316	316	200
-156	-156	-156	-156	-156	-243	-209	-167	-156	-156	-156	-146	-107	-129	-104	-120
226	226	226	226	226	130	164	208	226	226	226	226	217	192	217	85
2 422	2 422	2 422	2 422	2 422	2 422	2 422	2 422	2 422	2 422	2 422	2 412	2 373	2 333	2 380	2 213
-2 196	-2 196	-2 196	-2 196	-2 196	-2 292	-2 258	-2 214	-2 196	-2 196	-2 196	-2 186	-2 156	-2 141	-2 163	-2 128
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
75 678	75 988	76 022	75 152	75 447	75 599	76 186	77 243	76 948	76 995	76 624	76 985	76 899	75 610	75 189	76 394
75 678	75 988	76 022	75 152	75 447	75 599	76 186	77 243	76 948	76 995	76 624	76 985	76 899	75 610	75 189	76 394
47 015	46 908	51 353	63 949	67 635	67 564	80 072	85 082	88 654	97 587	102 165	102 486	105 841	113 346	118 290	122 167
2 636	3 240	2 787	2 608	2 882	3 158	3 137	3 092	2 664	1 419	1 419	358	319	520	316	200
44 379	43 669	48 566	61 341	64 752	64 406	76 935	81 990	85 990	96 168	100 747	102 128	105 522	112 826	117 975	121 966

Table 5.11 Capacity by Plant Type, Fortified Islands

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	5 361	6 188	6 920	7 117	7 214	7 328	7 561	7 739	8 246	8 339
Oil/Gas Steam Turbine	8 005	7 345	7 345	7 345	7 345	7 509	7 434	6 612	6 455	6 297
Oil/Gas Combined Cycle	4 821	4 911	4 911	7 471	7 691	7 691	8 374	8 984	9 234	9 484
Coal	17 404	16 256	16 256	16 309	15 373	13 912	13 572	13 489	12 999	12 205
Nuclear	13 345	13 345	13 345	13 345	14 170	14 995	14 995	14 995	14 995	14 995
Biomass / Landfill Gas / Waste / CHP	1 658	1 658	1 751	1 839	1 937	2 035	2 133	2 231	2 319	2 397
Wind	494	800	2 121	3 492	4 634	5 778	6 916	8 054	9 192	10 330
Hydro / Wave / Tidal	71 757	72 397	72 979	73 599	74 377	74 908	74 920	76 188	76 653	76 653
Alberta Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	1 506	1 826	2 071	2 256	2 341	2 441	2 666	2 836	2 921	3 006
Oil/Gas Steam Turbine	1 166	506	506	506	506	360	285	285	285	285
Oil/Gas Combined Cycle	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714
Coal	6 107	6 107	6 107	6 160	6 213	6 266	6 416	6 472	6 472	6 168
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	203	203	218	223	228	233	238	243	248	253
Wind	275	275	405	535	665	795	925	1 055	1 185	1 315
Hydro / Wave / Tidal	879	879	879	979	979	979	979	979	979	979
British Columbia Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	260	260	260	260	260	260	260	260	260	260
Oil/Gas Steam Turbine	1 093	1 093	1 093	1 093	1 093	1 093	1 093	935	778	620
Oil/Gas Combined Cycle	293	293	293	293	293	293	293	543	793	1 043
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	555	555	575	605	645	685	725	765	795	815
Wind	0	0	70	140	210	280	350	420	490	560
Hydro / Wave / Tidal	12 420	12 818	12 818	12 818	12 818	12 926	12 926	12 926	13 391	13 391
Manitoba Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	384	384	384	384	384	384	384	384	384	384
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	98	98	98	98	98	98	98	98	98	98
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	22	22	27	32	37	42	47	52	57	62
Wind	0	0	70	140	210	280	350	420	490	560
Hydro / Wave / Tidal	5 029	5 029	5 029	5 029	5 029	5 029	5 029	5 229	5 229	5 229

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 473	8 603	9 017	9 102	9 187	9 301	9 541	9 626	9 626	9 740	9 785	9 874	9 874	9 984	9 988	10 073
5 887	5 729	5 354	5 354	5 354	5 204	5 204	5 204	4 894	3 844	3 844	3 844	3 844	3 629	3 629	3 629
9 734	9 984	10 234	10 234	10 234	10 414	10 414	10 414	10 414	10 414	10 414	10 414	10 414	10 414	10 414	10 414
11 129	10 131	10 191	10 169	10 219	9 846	9 418	8 990	9 382	9 382	9 382	9 382	9 382	9 742	9 742	9 742
15 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	17 995	17 995	17 995	17 995	18 455	18 455	18 915
2 475	2 545	2 607	2 662	2 709	2 748	2 787	2 826	2 865	2 904	2 943	2 982	3 021	3 060	3 101	3 140
11 419	12 425	13 355	14 211	15 043	15 855	16 662	17 470	18 277	19 089	19 896	20 708	21 515	22 323	23 134	23 942
79 331	79 331	79 331	80 831	80 831	80 831	82 211	82 211	82 211	82 211	82 211	82 211	82 211	82 211	82 211	82 211
3 091	3 176	3 586	3 671	3 756	3 841	4 081	4 166	4 166	4 251	4 251	4 336	4 336	4 421	4 421	4 506
285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714	1 714
6 168	6 168	5 868	5 928	5 928	5 860	5 432	5 004	4 931	4 931	4 931	4 931	4 931	4 931	4 931	4 931
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258	263	267	270	273	276	278	281	283	286	288	291	293	296	298	301
1 415	1 485	1 525	1 545	1 565	1 585	1 605	1 625	1 645	1 665	1 685	1 705	1 725	1 745	1 765	1 785
979	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979
260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
463	305	143	143	143	143	143	143	143	143	143	143	143	143	143	143
1 293	1 543	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793	1 793
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
835	853	869	883	895	905	915	925	935	945	955	965	975	985	995	1 005
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
13 809	13 809	13 809	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709
384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	72	76	79	82	85	87	90	92	95	97	100	102	105	107	110
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
5 229	5 229	5 229	5 829	5 829	5 829	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	373	373	373	373	373	373	373	373	373	373
Oil/Gas Steam Turbine	1 491	1 491	1 491	1 491	1 491	1 491	1 491	1 478	1 478	1 478
Oil/Gas Combined Cycle	260	260	260	260	260	260	260	260	260	260
Coal	541	541	541	541	541	541	541	480	480	480
Nuclear	680	680	680	680	680	680	680	680	680	680
Biomass / Landfill Gas / Waste / CHP	160	160	165	170	175	180	185	190	195	200
Wind	0	0	40	80	120	160	200	240	280	320
Hydro / Wave / Tidal	928	928	928	928	928	928	928	928	928	928
Newfoundland and Labrador Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	229	229	229	229	229	229	229	229	229	229
Oil/Gas Steam Turbine	490	490	490	490	490	490	490	150	150	150
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	360	360	360
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	5	10	15	20	25	30	35	40
Wind	0	0	5	5	10	15	20	25	30	35
Hydro / Wave / Tidal	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778
Nova Scotia Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	320	320	320	320	320	320	320	320	320	320
Oil/Gas Steam Turbine	350	350	350	350	350	350	350	171	171	171
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	1 280	1 280	1 280	1 280	1 280	1 280	1 280	1 524	1 524	1 524
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	51	51	56	61	66	71	76	81	86	91
Wind	55	55	90	125	160	195	230	265	300	335
Hydro / Wave / Tidal	408	408	408	408	408	408	408	408	408	408
Nunavut Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	54	54	56	64	72	80	88	96	104	112
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	2	10	18	26	34	42	50
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Northwest Territories Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	163	163	163	163	163	165	165	165	165	165
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	2	2	2	2	2
Hydro / Wave / Tidal	59	59	59	59	59	59	59	59	59	59

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
373	373	373	373	373	373	373	373	373	373	373	373	373	373	373	373
1 478	1 478	1 265	1 265	1 265	1 265	1 265	1 265	1 265	215	215	215	215	0	0	0
260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
480	480	840	840	840	840	840	840	840	840	840	840	840	1 200	1 200	1 200
680	680	680	680	680	680	680	680	680	1 680	1 680	1 680	1 680	1 680	1 680	1 680
205	210	214	217	220	223	225	228	230	233	235	238	240	243	245	248
360	390	410	420	430	440	450	460	470	480	490	500	510	520	530	540
928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928
229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
150	150	150	150	150	0	0	0	0	0	0	0	0	0	0	0
360	360	360	360	360	540	540	540	540	540	540	540	540	540	540	540
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	50	54	57	60	63	65	68	70	73	75	78	80	83	85	88
40	45	49	52	55	58	60	63	65	68	70	73	75	78	80	83
9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038
320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 728	1 728	1 728	1 728	1 778	1 778	1 778	1 778	1 828	1 828	1 828	1 828	1 828	1 828	1 828	1 828
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	101	105	108	111	114	116	119	121	124	126	129	131	134	139	141
355	370	380	385	390	395	400	405	410	415	420	425	430	435	440	445
408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
116	116	120	120	120	124	124	124	124	128	128	132	132	132	136	136
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	54	58	58	58	62	62	62	62	66	66	70	70	70	74	74
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210	255	255	255	255	255	255	255	255	255	300	300	300	300	300	300
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	588	588	1 073	1 073	1 073	1 073	1 073	1 073	1 487	1 487
Oil/Gas Steam Turbine	2 478	2 478	2 478	2 478	2 478	2 788	2 788	2 788	2 788	2 788
Oil/Gas Combined Cycle	2 072	2 162	2 162	4 722	4 942	4 942	5 625	5 625	5 625	5 625
Coal	7 589	6 441	6 441	6 441	5 452	3 938	3 448	2 958	2 468	1 978
Nuclear	11 990	11 990	11 990	11 990	12 815	13 640	13 640	13 640	13 640	13 640
Biomass / Landfill Gas / Waste / CHP	299	299	314	324	334	344	354	364	374	384
Wind	15	320	866	1 326	1 546	1 766	1 986	2 206	2 426	2 646
Hydro / Wave / Tidal	8 444	8 450	8 450	8 470	8 701	8 851	8 851	8 851	8 851	8 851
Prince Edward Island Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	102	102	102	102	102	102	102	102	102	102
Oil/Gas Steam Turbine	65	65	65	65	65	65	65	65	65	65
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	2	2	3	4	5	6	7	8	9	10
Wind	14	14	34	54	74	94	114	134	154	174
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Quebec Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	1 023	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530
Oil/Gas Steam Turbine	600	600	600	600	600	600	600	600	600	600
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	675	675	675	675	675	675	675	675	675	675
Biomass / Landfill Gas / Waste / CHP	302	302	322	342	362	382	402	422	442	462
Wind	113	113	478	978	1 478	1 978	2 478	2 978	3 478	3 978
Hydro / Wave / Tidal	35 882	36 119	36 701	37 201	37 748	38 021	38 033	39 076	39 076	39 076
Saskatchewan Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	315	315	315	315	315	315	315	315	315	315
Oil/Gas Steam Turbine	274	274	274	274	274	274	274	142	142	142
Oil/Gas Combined Cycle	482	482	482	482	482	482	482	482	482	482
Coal	1 790	1 790	1 790	1 790	1 790	1 790	1 790	1 958	1 958	1 958
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	63	63	65	67	69	71	73	75	77	79
Wind	22	22	62	102	142	182	222	262	302	342
Hydro / Wave / Tidal	853	853	853	853	853	853	853	878	878	878
Yukon Generating Capacity by Plant Type (MW)										
Oil/Gas Combustion Turbine	45	45	45	49	53	57	57	57	57	57
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	1	1	1	5	9	13	13	13	13	13
Hydro / Wave / Tidal	77	77	77	77	77	77	77	77	77	77

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487	1 487
2 788	2 788	2 788	2 788	2 788	2 788	2 788	2 788	2 478	2 478	2 478	2 478	2 478	2 478	2 478	2 478
5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625	5 625
998	0	0	0	0	0	0	0	360	360	360	360	360	360	360	360
14 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	16 100	16 100	16 560
394	403	411	418	424	429	434	439	444	449	454	459	464	469	474	479
2 866	3 064	3 240	3 394	3 526	3 636	3 746	3 856	3 966	4 076	4 186	4 296	4 406	4 516	4 626	4 736
8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851
102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	13	14	14	15	15	16	16	17	17	18	18	19	19	20
194	212	228	242	254	264	274	284	294	304	314	324	334	344	354	364
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530	1 530
600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
482	500	516	530	542	552	562	572	582	592	602	612	622	632	642	652
4 478	4 978	5 478	5 978	6 478	6 978	7 478	7 978	8 478	8 978	9 478	9 978	10 478	10 978	11 478	11 978
39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076
315	315	315	315	315	340	340	340	340	365	365	365	365	390	390	390
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
482	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
1 658	1 658	1 658	1 575	1 575	1 270	1 270	1 270	1 325	1 325	1 325	1 325	1 325	1 325	1 325	1 325
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	83	84	86	87	88	89	90	91	92	93	94	95	96	97	98
382	412	432	442	452	462	472	482	492	502	512	522	532	542	552	562
878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77

Table 5.12 Capacity by Fuel, Fortified Islands

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	71 757	72 397	72 979	73 599	74 377	74 908	74 919	76 187	76 652	76 652
Wind	494	800	2 121	3 492	4 634	5 778	6 916	8 054	9 192	10 330
Biomass / Landfill Gas / Waste	2 219	2 219	2 312	2 400	2 498	2 596	2 694	2 792	2 880	2 958
Uranium	13 345	13 345	13 345	13 345	14 170	14 995	14 995	14 995	14 995	14 995
Coal & Coke	17 469	16 321	16 321	16 374	15 438	13 977	13 637	13 554	13 064	12 270
Natural Gas	12 242	12 499	13 029	15 774	16 079	16 343	16 951	17 082	17 673	17 766
Oil	5 318	5 318	5 520	5 532	5 544	5 558	5 791	5 626	5 634	5 727
Alberta Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	879	879	879	979	979	979	979	979	979	979
Wind	275	275	405	535	665	795	925	1 055	1 185	1 315
Biomass / Landfill Gas / Waste	546	546	561	566	571	576	581	586	591	596
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	6 172	6 172	6 172	6 225	6 278	6 331	6 481	6 537	6 537	6 233
Natural Gas	3 956	3 616	3 661	3 846	3 931	3 885	3 810	3 980	4 065	4 065
Oil	21	21	221	221	221	221	446	446	446	531
British Columbia Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	12 420	12 818	12 818	12 818	12 818	12 926	12 926	12 926	13 391	13 391
Wind	0	0	70	140	210	280	350	420	490	560
Biomass / Landfill Gas / Waste	692	692	712	742	782	822	862	902	932	952
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	1 460	1 460	1 460	1 460	1 460	1 460	1 460	1 553	1 645	1 738
Oil	47	47	47	47	47	47	47	47	47	47
Manitoba Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	5 029	5 029	5 029	5 029	5 029	5 029	5 029	5 229	5 229	5 229
Wind	0	0	70	140	210	280	350	420	490	560
Biomass / Landfill Gas / Waste	22	22	27	32	37	42	47	52	57	62
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	98	98	98	98	98	98	98	98	98	98
Natural Gas	374	374	374	374	374	374	374	374	374	374
Oil	10	10	10	10	10	10	10	10	10	10

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
79 331	79 331	79 331	80 831	80 831	80 831	82 211	82 211	82 211	82 211	82 211	82 211	82 211	82 211	82 211	82 211
11 419	12 425	13 355	14 211	15 043	15 855	16 662	17 470	18 277	19 089	19 896	20 708	21 515	22 323	23 134	23 942
3 036	3 106	3 169	3 223	3 270	3 309	3 348	3 387	3 426	3 465	3 504	3 543	3 582	3 621	3 663	3 702
15 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	16 995	17 995	17 995	17 995	17 995	18 455	18 455	18 915
11 194	10 196	10 256	10 234	10 284	9 911	9 483	9 055	9 447	9 447	9 447	9 447	9 447	9 807	9 807	9 807
17 888	18 026	18 283	18 368	18 368	18 658	18 658	18 658	18 348	18 458	18 503	18 503	18 503	18 613	18 613	18 613
5 578	5 663	5 694	5 694	5 779	5 633	5 873	5 958	5 958	4 912	4 912	5 001	5 001	4 786	4 790	4 875
979	979	979	979	979	979	979	979	979	979	979	979	979	979	979	979
1 415	1 485	1 525	1 545	1 565	1 585	1 605	1 625	1 645	1 665	1 685	1 705	1 725	1 745	1 765	1 785
601	606	610	613	616	619	621	624	626	629	631	634	636	639	641	644
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 233	6 233	5 933	5 993	5 993	5 925	5 497	5 069	4 996	4 996	4 996	4 996	4 996	4 996	4 996	4 996
4 150	4 150	4 320	4 405	4 405	4 490	4 490	4 490	4 490	4 575	4 575	4 575	4 575	4 660	4 660	4 660
531	616	856	856	941	941	1 181	1 266	1 266	1 266	1 266	1 351	1 351	1 351	1 351	1 436
13 809	13 809	13 809	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709	14 709
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
972	990	1 006	1 020	1 032	1 042	1 052	1 062	1 072	1 082	1 092	1 102	1 112	1 122	1 132	1 142
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 830	1 923	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010	2 010
47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
5 229	5 229	5 229	5 829	5 829	5 829	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209	7 209
630	700	770	840	910	980	1 050	1 120	1 190	1 260	1 330	1 400	1 470	1 540	1 610	1 680
67	72	76	79	82	85	87	90	92	95	97	100	102	105	107	110
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	928	928	928	928	928	928	928	928	928	928
Wind	0	0	40	80	120	160	200	240	280	320
Biomass / Landfill Gas / Waste	160	160	165	170	175	180	185	190	195	200
Uranium	680	680	680	680	680	680	680	680	680	680
Coal & Coke	541	541	541	541	541	541	541	480	480	480
Natural Gas	260	260	260	260	260	260	260	260	260	260
Oil	1 864	1 864	1 864	1 864	1 864	1 864	1 864	1 851	1 851	1 851
Newfoundland and Labrador Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778	6 778
Wind	0	0	5	5	10	15	20	25	30	35
Biomass / Landfill Gas / Waste	0	0	5	10	15	20	25	30	35	40
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	43	43	43	43	43	43	43	43	43	43
Oil	676	676	676	676	676	676	676	696	696	696
Nova Scotia Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	408	408	408	408	408	408	408	408	408	408
Wind	55	55	90	125	160	195	230	265	300	335
Biomass / Landfill Gas / Waste	69	69	74	79	84	89	94	99	104	109
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	1 280	1 280	1 280	1 280	1 280	1 280	1 280	1 524	1 524	1 524
Natural Gas	98	98	98	98	98	98	98	98	98	98
Oil	554	554	554	554	554	554	554	375	375	375
Nunavut Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	2	10	18	26	34	42	50
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	54	54	56	64	72	80	88	96	104	112
Northwest Territories Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	59	59	59	59	59	59	59	59	59	59
Wind	0	0	0	0	0	2	2	2	2	2
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	24	24	24	24	24	24	24	24	24	24
Oil	138	138	138	138	138	140	140	140	140	140

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928
360	390	410	420	430	440	450	460	470	480	490	500	510	520	530	540
205	210	214	217	220	223	225	228	230	233	235	238	240	243	245	248
680	680	680	680	680	680	680	680	680	1 680	1 680	1 680	1 680	1 680	1 680	1 680
480	480	840	840	840	840	840	840	840	840	840	840	840	1 200	1 200	1 200
260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
1 851	1 851	1 638	1 638	1 638	1 638	1 638	1 638	1 638	588	588	588	588	373	373	373
9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038	9 038
40	45	49	52	55	58	60	63	65	68	70	73	75	78	80	83
45	50	54	57	60	63	65	68	70	73	75	78	80	83	85	88
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	43	43	43	43	223	223	223	223	223	223	223	223	223	223	223
696	696	696	696	696	546	546	546	546	546	546	546	546	546	546	546
408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
355	370	380	385	390	395	400	405	410	415	420	425	430	435	440	445
114	118	122	126	129	131	134	136	139	141	144	146	149	151	156	159
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 728	1 728	1 728	1 728	1 778	1 778	1 778	1 778	1 828	1 828	1 828	1 828	1 828	1 828	1 828	1 828
98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	54	58	58	58	62	62	62	62	66	66	70	70	70	74	74
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	116	120	120	120	124	124	124	124	128	128	132	132	132	136	136
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	114	114	114	114	114	114	114	114	114	159	159	159	159	159	159
140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	8 444	8 450	8 450	8 470	8 701	8 851	8 851	8 851	8 851	8 851
Wind	15	320	866	1 326	1 546	1 766	1 986	2 206	2 426	2 646
Biomass / Landfill Gas / Waste	392	392	407	417	427	437	447	457	467	477
Uranium	11 990	11 990	11 990	11 990	12 815	13 640	13 640	13 640	13 640	13 640
Coal & Coke	7 589	6 441	6 441	6 441	5 452	3 938	3 448	2 958	2 468	1 978
Natural Gas	4 936	5 026	5 511	8 071	8 291	8 601	9 284	9 284	9 698	9 698
Oil	108	108	108	108	108	108	108	108	108	108
Prince Edward Island Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	14	14	34	54	74	94	114	134	154	174
Biomass / Landfill Gas / Waste	0	0	1	2	3	4	5	6	7	8
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	169	169	169	169	169	169	169	169	169	169
Quebec Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	35 882	36 119	36 701	37 201	37 748	38 021	38 033	39 076	39 076	39 076
Wind	113	113	478	978	1 478	1 978	2 478	2 978	3 478	3 978
Biomass / Landfill Gas / Waste	274	274	294	314	334	354	374	394	414	434
Uranium	675	675	675	675	675	675	675	675	675	675
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	31	538	538	538	538	538	538	538	538	538
Oil	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620
Saskatchewan Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	853	853	853	853	853	853	853	878	878	878
Wind	22	22	62	102	142	182	222	262	302	342
Biomass / Landfill Gas / Waste	63	63	65	67	69	71	73	75	77	79
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	1 790	1 790	1 790	1 790	1 790	1 790	1 790	1 958	1 958	1 958
Natural Gas	1 060	1 060	1 060	1 060	1 060	1 060	1 060	928	928	928
Oil	11	11	11	11	11	11	11	11	11	11
Yukon Generating Capacity by Primary Fuel (MW)										
Hydro / Wave / Tidal	77	77	77	77	77	77	77	77	77	77
Wind	1	1	1	5	9	13	13	13	13	13
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	45	45	45	49	53	57	57	57	57	57

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851	8 851
2 866	3 064	3 240	3 394	3 526	3 636	3 746	3 856	3 966	4 076	4 186	4 296	4 406	4 516	4 626	4 736
487	496	504	511	517	522	527	532	537	542	547	552	557	562	567	572
14 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	15 640	16 100	16 100	16 560
998	0	0	0	0	0	0	0	360	360	360	360	360	360	360	360
9 698	9 698	9 698	9 698	9 698	9 698	9 698	9 698	9 388	9 388	9 388	9 388	9 388	9 388	9 388	9 388
108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	212	228	242	254	264	274	284	294	304	314	324	334	344	354	364
9	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076	39 076
4 478	4 978	5 478	5 978	6 478	6 978	7 478	7 978	8 478	8 978	9 478	9 978	10 478	10 978	11 478	11 978
454	472	488	502	514	524	534	544	554	564	574	584	594	604	614	624
675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538
1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620	1 620
878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
382	412	432	442	452	462	472	482	492	502	512	522	532	542	552	562
81	83	84	86	87	88	89	90	91	92	93	94	95	96	97	98
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 658	1 658	1 658	1 575	1 575	1 270	1 270	1 270	1 325	1 325	1 325	1 325	1 325	1 325	1 325	1 325
828	828	828	828	828	853	853	853	853	878	878	878	878	903	903	903
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57

Table 5.13 Generation by Plant Type, Fortified Islands

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	16 079	21 798	23 899	23 425	23 317	23 098	24 472	25 550	29 052	29 872
Oil/Gas Steam Turbine	18 460	19 908	19 417	17 502	16 883	17 994	17 328	13 940	13 650	14 252
Oil/Gas Combined Cycle	24 441	25 073	25 542	29 612	30 773	31 598	32 403	33 718	34 076	35 329
Coal	90 891	88 449	88 964	85 932	78 320	70 615	67 625	65 318	63 572	61 340
Nuclear	93 663	93 569	94 471	89 944	84 192	84 465	89 167	91 257	90 847	87 880
Biomass / Landfill Gas / Waste / CHP	9 337	9 337	9 948	10 526	11 169	11 812	12 454	13 091	13 669	14 181
Wind	945	1 749	5 025	8 395	11 099	13 808	16 504	19 199	21 897	24 593
Hydro / Wave / Tidal	350 693	353 691	356 631	359 605	369 251	374 838	374 836	379 508	380 347	380 430
Alberta Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	7 236	9 398	10 719	11 110	11 550	11 414	12 932	14 126	14 723	15 320
Oil/Gas Steam Turbine	1 856	1 604	1 601	1 601	1 597	1 540	1 530	1 528	1 528	1 528
Oil/Gas Combined Cycle	9 981	9 981	9 912	9 698	9 698	9 539	9 073	9 037	9 037	9 037
Coal	42 968	40 353	39 203	37 824	37 295	37 802	37 145	34 922	35 222	35 209
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	1 320	1 320	1 419	1 452	1 485	1 518	1 551	1 584	1 617	1 649
Wind	586	586	894	1 202	1 510	1 819	2 127	2 435	2 743	3 051
Hydro / Wave / Tidal	1 897	1 897	1 897	2 336	2 336	2 336	2 336	2 336	2 336	2 336
British Columbia Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	1 241	1 221	1 202	1 198	1 196	1 202	1 202	1 240	1 221	1 221
Oil/Gas Steam Turbine	2 044	1 942	1 873	1 723	1 681	1 835	1 846	1 832	1 605	1 359
Oil/Gas Combined Cycle	1 176	1 176	1 176	1 176	1 176	1 176	1 176	1 791	2 169	2 513
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	2 951	2 951	3 083	3 281	3 544	3 807	4 071	4 334	4 532	4 663
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Hydro / Wave / Tidal	59 223	60 995	60 995	60 995	60 996	61 533	61 533	61 533	61 941	61 941
Manitoba Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	109	14	109	210	131	122	109	109	109	109
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	813	813	813	569	569	569	569	813	813	813
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	88	88	120	153	186	219	252	285	318	351
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Hydro / Wave / Tidal	29 120	29 120	29 120	29 120	29 120	29 120	29 120	30 524	30 524	30 524

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
30 774	31 453	34 417	34 742	35 343	36 242	37 864	38 343	38 009	38 521	38 596	39 161	39 080	39 533	39 480	40 068
13 638	13 764	12 542	11 971	12 206	11 640	11 573	11 454	10 821	7 471	7 369	7 335	7 287	6 763	6 763	6 763
36 625	37 034	37 024	35 513	35 911	36 997	36 710	36 304	35 627	34 118	33 270	32 855	32 306	30 880	30 200	29 054
59 067	55 977	54 061	52 965	52 494	51 454	49 284	47 968	48 415	45 991	45 013	43 887	43 023	41 974	41 136	39 934
87 619	90 783	91 722	94 295	92 674	91 492	90 937	89 939	89 925	95 521	95 576	95 120	94 436	94 563	93 372	93 715
14 697	15 156	15 570	15 923	16 230	16 486	16 737	16 988	17 238	17 488	17 738	17 988	18 236	18 484	18 749	18 999
27 176	29 558	31 764	33 781	35 763	37 687	39 600	41 512	43 424	45 345	47 257	49 178	51 090	53 001	54 922	56 833
392 859	394 011	394 384	402 415	402 647	402 661	412 412	412 339	412 263	412 184	412 091	412 020	411 940	411 861	411 792	411 735
15 917	16 514	19 394	19 991	20 588	21 185	22 871	23 468	23 468	24 065	24 065	24 662	24 662	25 259	25 259	25 856
1 528	1 528	1 528	1 528	1 528	1 528	1 528	1 529	1 530	1 528	1 528	1 528	1 528	1 528	1 528	1 528
9 037	9 037	9 037	9 037	9 037	9 037	9 037	9 045	9 053	9 037	9 037	9 037	9 037	9 037	9 037	9 037
35 357	35 207	32 548	32 244	31 886	31 758	29 773	28 719	28 227	27 300	26 860	25 996	25 593	24 413	23 912	23 009
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 682	1 712	1 738	1 761	1 781	1 798	1 814	1 831	1 847	1 863	1 880	1 896	1 913	1 929	1 946	1 962
3 288	3 454	3 549	3 596	3 644	3 691	3 739	3 786	3 834	3 881	3 928	3 976	4 023	4 071	4 118	4 165
2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336	2 336
1 221	1 221	1 220	1 220	1 220	1 221	1 221	1 221	1 221	1 221	1 221	1 221	1 221	1 220	1 220	1 220
1 107	918	768	768	768	768	768	768	768	768	768	768	768	768	768	768
2 842	3 191	3 460	3 106	3 122	3 148	3 153	3 147	3 137	3 135	3 134	3 142	3 134	3 114	3 094	3 081
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 795	4 914	5 019	5 111	5 190	5 256	5 322	5 388	5 454	5 519	5 585	5 651	5 717	5 783	5 849	5 915
1 494	1 659	1 825	1 991	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
62 309	62 309	62 309	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655
109	109	90	30	30	23	14	14	14	14	14	14	14	14	14	14
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813	813	813	569	569	569	569	569	569	569	569	569	569	569	569	569
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384	414	440	460	483	499	516	532	549	565	581	598	614	631	647	664
1 494	1 659	1 825	1 980	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
30 524	30 524	30 524	34 135	34 317	34 317	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	439	448	448	200	158	112	112	112	112	112
Oil/Gas Steam Turbine	4 489	5 921	5 038	4 608	4 137	4 409	4 059	3 607	3 597	3 582
Oil/Gas Combined Cycle	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
Coal	4 432	4 432	4 432	4 067	3 101	3 101	2 914	2 724	2 693	2 632
Nuclear	5 015	5 015	5 015	3 761	0	3 365	4 203	4 169	4 132	4 069
Biomass / Landfill Gas / Waste / CHP	904	904	937	970	1 003	1 036	1 069	1 102	1 134	1 167
Wind	0	0	95	190	285	379	474	569	664	759
Hydro / Wave / Tidal	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
Newfoundland and Labrador Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	770	774	811	816	782	771	762	754	821	861
Oil/Gas Steam Turbine	1 863	2 070	2 352	2 359	2 190	2 080	1 830	282	454	532
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	1 853	1 891	1 912
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	32	63	93	124	153	178	209	240
Wind	0	0	11	11	22	33	44	53	65	76
Hydro / Wave / Tidal	40 410	40 446	40 525	40 515	40 457	40 423	40 357	40 097	40 152	40 181
Nova Scotia Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	574	652	652	587	550	508	483	373	352	349
Oil/Gas Steam Turbine	2 561	2 561	2 561	2 561	2 561	2 561	2 561	1 225	1 225	1 225
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	6 529	6 689	6 626	6 307	6 249	6 048	5 924	7 280	7 189	7 078
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	340	340	373	406	439	472	505	538	571	604
Wind	111	111	194	277	360	443	526	609	692	775
Hydro / Wave / Tidal	966	966	966	966	966	966	966	966	966	966
Nunavut Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	215	229	241	245	238	225	223	215	209	194
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	5	24	43	62	81	100	119
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Northwest Territories Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	399	426	426	420	416	400	404	437	455	455
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	5	5	5	5	5
Hydro / Wave / Tidal	287	287	287	287	287	287	287	287	287	287

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
158	158	132	112	112	112	112	112	112	112	112	112	112	112	112	112
3 616	4 065	3 346	3 394	3 489	3 504	3 517	3 487	3 461	503	503	503	503	0	0	0
1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
2 591	2 559	3 603	3 572	3 560	3 550	3 522	3 478	3 431	2 322	2 326	2 280	2 086	2 631	2 631	2 631
4 017	3 974	3 939	3 910	3 892	3 882	3 856	3 815	3 777	9 393	9 386	9 386	9 386	8 955	8 934	8 918
1 200	1 230	1 256	1 279	1 299	1 316	1 332	1 348	1 365	1 381	1 398	1 414	1 431	1 447	1 464	1 480
853	925	972	996	1 019	1 043	1 067	1 091	1 114	1 138	1 162	1 185	1 209	1 233	1 256	1 280
2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
970	947	1 106	1 078	978	915	880	796	742	731	724	716	707	699	691	685
725	725	725	725	725	0	0	0	0	0	0	0	0	0	0	0
1 998	1 986	2 061	2 029	1 997	2 830	2 650	2 440	2 148	1 788	1 501	1 284	1 090	894	713	552
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
276	302	332	351	367	382	394	404	414	423	433	442	450	458	466	475
88	98	108	115	121	127	131	135	138	142	146	149	152	155	158	161
52 136	52 188	52 297	52 249	52 201	52 197	52 135	52 064	51 989	51 911	51 849	51 773	51 695	51 617	51 550	51 492
301	305	300	295	237	233	230	228	174	165	154	149	142	138	124	113
83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 271	8 247	8 208	8 174	8 225	8 231	8 204	8 175	8 215	8 111	8 054	8 028	7 982	7 969	7 891	7 839
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
637	666	693	716	736	752	769	785	801	818	834	851	867	884	917	933
822	858	882	893	905	917	929	941	953	965	976	988	1 000	1 012	1 024	1 036
966	966	966	966	966	966	966	966	966	966	966	966	966	966	966	966
192	202	195	198	201	208	213	214	214	210	216	212	214	218	213	214
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	128	138	138	138	147	147	147	147	157	157	166	166	166	175	175
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
640	736	727	718	709	821	807	789	777	765	864	880	869	860	850	842
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	5	5	4	5	5	5	5	5	4	4	4	4	4	4
287	274	272	270	269	285	283	281	280	279	248	251	249	247	245	244

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	1 987	1 987	2 638	2 119	2 197	2 590	2 490	2 435	5 343	5 546
Oil/Gas Steam Turbine	2 324	2 486	2 669	1 326	1 393	2 502	2 446	2 407	2 183	2 969
Oil/Gas Combined Cycle	8 410	9 042	9 580	13 864	15 025	16 009	17 280	16 163	16 105	16 993
Coal	22 526	22 526	24 277	25 121	19 252	12 466	10 828	9 189	7 550	5 912
Nuclear	83 670	83 576	84 478	81 205	80 458	81 101	81 231	82 110	81 736	78 833
Biomass / Landfill Gas / Waste / CHP	1 654	1 654	1 752	1 818	1 884	1 950	2 016	2 082	2 147	2 213
Wind	16	819	2 259	3 470	3 992	4 514	5 035	5 557	6 078	6 600
Hydro / Wave / Tidal	37 751	37 777	37 777	37 868	39 590	40 249	40 249	40 249	40 249	40 249
Prince Edward Island Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	35	10	10	77	77	56	56	49	10	10
Oil/Gas Steam Turbine	63	63	63	63	63	63	63	63	63	63
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	14	14	20	27	34	40	47	53	60	67
Wind	0	0	47	95	142	190	237	285	332	379
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Quebec Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	2 448	6 009	6 009	6 009	5 588	5 388	5 388	5 388	5 388	5 388
Oil/Gas Steam Turbine	2 905	2 905	2 905	2 905	2 905	2 779	2 779	2 779	2 779	2 779
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	4 978	4 978	4 978	4 978	3 734	0	3 734	4 978	4 978	4 978
Biomass / Landfill Gas / Waste / CHP	1 785	1 785	1 917	2 049	2 180	2 312	2 444	2 575	2 707	2 839
Wind	174	174	1 039	2 225	3 410	4 595	5 781	6 966	8 151	9 337
Hydro / Wave / Tidal	174 798	175 960	178 821	181 279	189 266	193 694	193 758	197 172	197 547	197 603
Saskatchewan Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	551	551	551	358	358	241	241	241	241	241
Oil/Gas Steam Turbine	357	357	357	357	357	226	216	216	216	216
Oil/Gas Combined Cycle	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276
Coal	13 622	13 636	13 614	12 046	11 853	10 630	10 246	10 390	10 104	9 696
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	282	282	295	308	321	334	347	361	374	387
Wind	59	59	153	248	343	438	533	628	722	817
Hydro / Wave / Tidal	3 191	3 191	3 191	3 191	3 191	3 191	3 191	3 305	3 305	3 305
Yukon Generation by Plant Type (GWh)										
Oil/Gas Combustion Turbine	75	79	82	78	75	70	70	72	70	67
Oil/Gas Steam Turbine	0	0	0	0	0	0	0	0	0	0
Oil/Gas Combined Cycle	0	0	0	0	0	0	0	0	0	0
Coal	0	0	0	0	0	0	0	0	0	0
Nuclear	0	0	0	0	0	0	0	0	0	0
Biomass / Landfill Gas / Waste / CHP	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	8	15	22	22	22	22	22
Hydro / Wave / Tidal	249	252	252	248	242	238	238	238	238	236

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5 546	5 546	5 546	5 372	5 546	5 546	5 546	5 546	5 351	5 143	5 137	5 110	5 063	4 895	4 895	4 895
3 449	3 266	3 034	2 415	2 556	2 699	2 620	2 529	1 922	1 531	1 429	1 395	1 347	1 326	1 326	1 326
17 874	17 946	17 591	16 466	16 881	17 108	16 997	16 798	16 414	15 283	14 723	14 517	14 170	12 961	12 482	11 510
2 635	0	0	0	0	0	0	0	1 077	1 072	754	754	754	754	754	754
78 624	81 830	82 805	85 407	83 804	82 631	82 102	81 146	81 170	81 149	81 212	80 756	80 072	80 630	79 460	79 819
2 279	2 338	2 391	2 437	2 477	2 510	2 543	2 575	2 608	2 641	2 674	2 707	2 740	2 773	2 806	2 839
7 121	7 591	8 008	8 373	8 686	8 947	9 207	9 468	9 729	9 990	10 250	10 511	10 772	11 033	11 293	11 554
40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	79	84	89	93	96	99	103	106	109	113	116	119	123	126	129
427	469	507	541	569	593	616	640	664	688	711	735	759	782	806	830
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 388	5 388	5 388	5 388	5 388	5 388	5 388	5 388	5 388	5 388	5 388	5 388	5 388	5 267	5 252	5 267
2 852	2 900	2 779	2 779	2 779	2 779	2 779	2 779	2 779	2 779	2 779	2 779	2 779	2 779	2 779	2 779
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978
2 970	3 089	3 194	3 287	3 366	3 431	3 497	3 563	3 629	3 695	3 761	3 827	3 892	3 958	4 024	4 090
10 522	11 707	12 892	14 078	15 263	16 448	17 634	18 819	20 004	21 190	22 375	23 560	24 745	25 931	27 116	28 301
197 710	198 823	199 088	199 215	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315
254	247	241	264	258	510	502	491	473	631	624	616	608	770	768	768
216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216
3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276	3 276
9 401	9 151	8 889	8 405	8 254	7 347	7 216	7 027	6 895	6 618	6 450	6 260	6 040	5 638	5 378	5 132
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	412	423	432	440	446	453	459	466	473	479	486	492	499	505	512
912	983	1 031	1 054	1 078	1 102	1 125	1 149	1 173	1 196	1 220	1 244	1 268	1 291	1 315	1 339
3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305
68	70	68	67	66	70	70	68	67	67	69	71	71	72	73	73
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23
236	236	236	233	233	236	236	236	236	236	236	238	238	238	238	241

Table 5.14 Generation by Fuel, Fortified Islands

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	350 692	353 690	356 630	359 605	369 251	374 837	374 836	379 508	380 347	380 430
Wind	945	1 749	5 025	8 395	11 099	13 808	16 504	19 199	21 897	24 593
Biomass / Landfill Gas / Waste	11 820	11 820	12 361	12 726	13 369	13 852	14 028	14 630	15 208	15 719
Uranium	93 663	93 569	94 471	89 945	84 192	84 465	89 167	91 257	90 847	87 880
Coal & Coke	91 322	88 881	89 396	86 365	78 752	71 047	68 057	65 750	64 004	61 772
Natural Gas	39 353	45 425	46 720	49 273	50 881	53 055	54 084	54 697	58 053	60 028
Oil	16 712	18 440	19 292	18 635	17 460	17 163	18 114	16 540	16 754	17 454
Alberta Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	1 896	1 896	1 896	2 335	2 335	2 335	2 335	2 335	2 335	2 335
Wind	586	586	894	1 202	1 510	1 819	2 127	2 435	2 743	3 051
Biomass / Landfill Gas / Waste	2 649	2 649	2 679	2 498	2 531	2 405	1 971	1 969	2 002	2 035
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	43 400	40 785	39 635	38 256	37 727	38 234	37 577	35 354	35 654	35 641
Natural Gas	17 267	19 177	19 090	19 481	19 918	19 724	19 651	20 844	21 441	21 441
Oil	45	45	1 450	1 450	1 450	1 450	3 030	3 030	3 030	3 627
British Columbia Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	59 223	60 995	60 995	60 995	60 995	61 533	61 533	61 533	61 941	61 941
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Biomass / Landfill Gas / Waste	3 666	3 666	3 798	3 996	4 259	4 522	4 786	5 049	5 247	5 378
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	3 663	3 542	3 454	3 299	3 256	3 416	3 426	4 066	4 198	4 296
Oil	82	82	82	82	82	82	82	82	82	82
Manitoba Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	29 120	29 120	29 120	29 120	29 120	29 120	29 120	30 524	30 524	30 524
Wind	0	0	166	332	498	664	830	996	1 162	1 328
Biomass / Landfill Gas / Waste	88	88	120	153	186	219	252	285	318	351
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	813	813	813	569	569	569	569	813	813	813
Natural Gas	95	0	95	189	111	108	95	95	95	95
Oil	14	14	14	20	20	14	14	14	14	14

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
392 859	394 010	394 383	402 415	402 647	402 661	412 412	412 339	412 263	412 183	412 091	412 020	411 939	411 860	411 791	411 735
27 176	29 558	31 764	33 781	35 763	37 687	39 600	41 512	43 424	45 345	47 257	49 178	51 089	53 000	54 922	56 833
16 236	16 694	17 109	17 462	17 769	18 024	18 276	18 534	18 793	19 027	19 277	19 526	19 775	20 023	20 288	20 537
87 619	90 783	91 722	94 296	92 674	91 492	90 937	89 940	89 925	95 521	95 576	95 120	94 436	94 563	93 372	93 715
59 499	56 409	54 493	53 397	52 926	51 886	49 716	48 400	48 846	46 423	45 445	44 319	43 455	42 406	41 568	40 366
62 352	62 665	63 365	61 644	62 345	64 664	64 454	64 113	62 812	61 743	61 189	60 898	60 381	59 598	58 981	57 878
16 715	17 615	18 648	18 612	19 145	18 244	19 723	20 010	19 659	16 396	16 076	16 483	16 321	15 606	15 491	16 036
2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335	2 335
3 288	3 454	3 549	3 596	3 644	3 691	3 739	3 786	3 834	3 881	3 928	3 976	4 023	4 071	4 118	4 165
2 068	2 097	2 124	2 147	2 166	2 183	2 199	2 223	2 248	2 249	2 265	2 282	2 298	2 315	2 331	2 347
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 789	35 639	32 980	32 676	32 318	32 190	30 205	29 151	28 659	27 732	27 292	26 428	26 024	24 845	24 344	23 441
22 038	22 038	23 232	23 829	23 829	24 426	24 426	24 427	24 428	25 023	25 023	25 023	25 023	25 620	25 620	25 620
3 627	4 224	5 910	5 910	6 507	6 507	8 193	8 790	8 790	8 790	8 790	9 387	9 387	9 387	9 387	9 984
62 309	62 309	62 309	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655	66 655
1 494	1 659	1 825	1 991	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
5 510	5 629	5 734	5 826	5 905	5 971	6 037	6 103	6 169	6 235	6 300	6 366	6 432	6 498	6 564	6 630
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 374	4 533	4 652	4 299	4 315	4 340	4 345	4 339	4 329	4 327	4 326	4 334	4 327	4 306	4 286	4 273
82	82	81	81	81	82	82	82	81	81	81	82	81	81	81	81
30 524	30 524	30 524	34 135	34 317	34 317	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132	44 132
1 494	1 659	1 825	1 980	2 157	2 323	2 489	2 655	2 821	2 987	3 153	3 319	3 485	3 651	3 817	3 983
384	414	440	460	483	499	516	532	549	565	581	598	614	631	647	664
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813	813	813	569	569	569	569	569	569	569	569	569	569	569	569	569
95	95	76	16	16	9	0	0	0	0	0	0	0	0	0	0
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
Wind	0	0	95	190	285	379	474	569	664	759
Biomass / Landfill Gas / Waste	904	904	937	970	1 003	1 036	1 069	1 102	1 134	1 167
Uranium	5 015	5 015	5 015	3 761	0	3 365	4 203	4 169	4 132	4 069
Coal & Coke	4 432	4 432	4 432	4 067	3 101	3 101	2 914	2 724	2 693	2 632
Natural Gas	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
Oil	4 928	6 369	5 485	4 809	4 294	4 521	4 170	3 719	3 709	3 694
Newfoundland and Labrador Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	40 410	40 445	40 525	40 515	40 457	40 423	40 357	40 097	40 152	40 181
Wind	0	0	11	11	22	33	44	53	65	76
Biomass / Landfill Gas / Waste	0	0	32	63	93	124	153	178	209	240
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	228	230	233	232	230	228	226	219	221	222
Oil	2 404	2 614	2 930	2 942	2 742	2 623	2 366	2 670	2 946	3 083
Nova Scotia Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	966	966	966	966	966	966	966	966	966	966
Wind	111	111	194	277	360	443	526	609	692	775
Biomass / Landfill Gas / Waste	423	423	456	489	522	555	588	621	654	687
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	6 529	6 689	6 626	6 307	6 249	6 048	5 924	7 280	7 189	7 078
Natural Gas	112	132	132	126	115	91	91	91	91	89
Oil	2 940	2 998	2 998	2 938	2 913	2 895	2 871	1 425	1 403	1 402
Nunavut Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	5	24	43	62	81	100	119
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	215	229	241	245	238	225	223	215	209	194
Northwest Territories Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	287	287	287	287	287	287	287	287	287	287
Wind	0	0	0	0	0	5	5	5	5	5
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	399	426	426	420	416	400	404	437	455	455

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802	2 802
853	925	972	996	1 019	1 043	1 067	1 091	1 114	1 138	1 162	1 185	1 209	1 233	1 256	1 280
1 200	1 230	1 256	1 279	1 299	1 316	1 332	1 348	1 365	1 381	1 398	1 414	1 431	1 447	1 464	1 480
4 017	3 974	3 939	3 910	3 892	3 882	3 856	3 815	3 777	9 393	9 386	9 386	9 386	8 955	8 934	8 918
2 591	2 559	3 603	3 573	3 560	3 550	3 522	3 478	3 431	2 322	2 326	2 280	2 086	2 632	2 632	2 632
1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598	1 598
3 774	4 223	3 478	3 506	3 600	3 616	3 629	3 599	3 573	615	615	615	615	112	112	112
52 136	52 188	52 297	52 249	52 201	52 197	52 136	52 064	51 989	51 911	51 849	51 773	51 694	51 617	51 550	51 492
88	98	108	115	121	127	131	135	138	142	146	149	152	155	158	161
276	302	332	351	367	382	394	404	414	423	433	442	450	458	466	475
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226	225	229	228	226	1 276	1 273	1 242	1 175	1 090	1 021	988	936	817	707	592
3 467	3 432	3 663	3 605	3 474	2 469	2 257	1 994	1 715	1 429	1 205	1 012	861	776	697	645
966	966	966	966	966	966	966	966	966	966	966	966	966	966	966	966
822	858	882	893	905	917	929	941	953	965	976	988	1 000	1 012	1 024	1 036
720	749	776	799	818	835	851	868	884	901	917	934	950	967	1 000	1 016
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 271	8 247	8 208	8 174	8 225	8 231	8 204	8 175	8 215	8 111	8 054	8 028	7 982	7 969	7 891	7 839
63	66	63	60	26	25	23	23	4	2	0	0	0	0	0	0
238	239	237	235	211	209	207	205	170	163	154	149	142	138	124	113
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	128	138	138	138	147	147	147	147	157	157	166	166	166	175	175
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	202	195	198	201	208	213	214	214	210	216	212	214	218	213	214
287	274	272	270	269	285	283	281	280	279	248	251	249	247	245	244
5	5	5	5	4	5	5	5	5	5	4	4	4	4	4	4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296	565	562	558	555	588	584	581	579	575	768	776	770	766	760	756
343	171	165	160	154	233	223	208	198	189	95	104	99	94	89	86

Fortified Islands	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ontario Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	37 751	37 777	37 777	37 868	39 590	40 249	40 249	40 249	40 249	40 249
Wind	16	819	2 259	3 470	3 992	4 514	5 035	5 557	6 078	6 600
Biomass / Landfill Gas / Waste	2 207	2 207	2 306	2 372	2 438	2 504	2 569	2 635	2 701	2 767
Uranium	83 670	83 576	84 478	81 205	80 458	81 101	81 231	82 110	81 736	78 833
Coal & Coke	22 526	22 526	24 277	25 121	19 252	12 466	10 828	9 189	7 550	5 912
Natural Gas	12 001	12 795	14 168	16 590	17 895	20 381	21 497	20 286	22 911	24 789
Oil	166	166	166	166	166	166	166	166	166	166
Prince Edward Island Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	47	95	142	190	237	285	332	379
Biomass / Landfill Gas / Waste	0	0	7	13	20	26	33	40	46	53
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	111	86	86	153	153	132	132	125	86	86
Quebec Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	174 798	175 960	178 821	181 279	189 266	193 694	193 758	197 172	197 547	197 603
Wind	174	174	1 039	2 225	3 410	4 595	5 781	6 966	8 151	9 337
Biomass / Landfill Gas / Waste	1 601	1 601	1 733	1 864	1 996	2 128	2 259	2 391	2 523	2 654
Uranium	4 978	4 978	4 978	4 978	3 734	0	3 734	4 978	4 978	4 978
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	232	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793
Oil	5 306	5 306	5 306	5 306	4 885	4 559	4 559	4 559	4 559	4 559
Saskatchewan Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	3 191	3 191	3 191	3 191	3 191	3 191	3 191	3 305	3 305	3 305
Wind	59	59	153	248	343	438	533	628	722	817
Biomass / Landfill Gas / Waste	282	282	295	308	321	334	347	361	374	387
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	13 622	13 636	13 614	12 046	11 853	10 630	10 246	10 390	10 104	9 696
Natural Gas	4 159	4 159	4 159	3 966	3 966	3 717	3 708	3 707	3 707	3 707
Oil	26	26	26	26	26	26	26	26	26	26
Yukon Generation by Primary Fuel (GWh)										
Hydro / Wave / Tidal	249	252	252	248	242	238	238	238	238	236
Wind	0	0	0	8	15	22	22	22	22	22
Biomass / Landfill Gas / Waste	0	0	0	0	0	0	0	0	0	0
Uranium	0	0	0	0	0	0	0	0	0	0
Coal & Coke	0	0	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0	0	0
Oil	75	79	82	78	75	70	70	72	70	67

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249	40 249
7 121	7 591	8 008	8 373	8 686	8 947	9 207	9 468	9 729	9 990	10 250	10 511	10 772	11 033	11 293	11 554
2 833	2 892	2 945	2 991	3 030	3 063	3 096	3 129	3 162	3 195	3 228	3 261	3 294	3 327	3 360	3 393
78 624	81 830	82 805	85 407	83 804	82 631	82 102	81 146	81 170	81 149	81 212	80 756	80 072	80 630	79 460	79 819
2 635	0	0	0	0	0	0	0	1 077	1 072	754	754	754	754	754	754
26 149	26 039	25 452	23 534	24 264	24 634	24 443	24 153	22 967	21 238	20 569	20 303	19 860	18 462	17 984	17 012
166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427	469	507	541	569	593	616	640	664	688	711	735	759	782	806	830
59	65	71	75	79	82	86	89	92	96	99	102	105	109	112	115
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
197 710	198 823	199 088	199 215	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315	199 315
10 522	11 707	12 892	14 078	15 263	16 448	17 634	18 819	20 004	21 190	22 375	23 560	24 745	25 931	27 116	28 301
2 786	2 905	3 010	3 102	3 181	3 247	3 313	3 379	3 445	3 510	3 576	3 642	3 708	3 774	3 840	3 906
4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978	4 978
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793	3 793
4 632	4 680	4 559	4 559	4 559	4 559	4 559	4 559	4 559	4 559	4 559	4 559	4 559	4 438	4 423	4 438
3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305	3 305
912	983	1 031	1 054	1 078	1 102	1 125	1 149	1 173	1 196	1 220	1 244	1 268	1 291	1 315	1 339
400	412	423	432	440	446	453	459	466	473	479	486	492	499	505	512
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 401	9 151	8 889	8 405	8 254	7 347	7 216	7 028	6 895	6 618	6 450	6 260	6 040	5 638	5 378	5 132
3 720	3 713	3 707	3 730	3 725	3 977	3 969	3 957	3 939	4 098	4 090	4 083	4 074	4 236	4 234	4 234
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
236	236	236	233	233	236	236	236	236	236	236	238	238	238	238	241
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	70	68	67	66	70	70	68	67	67	69	71	71	72	73	73

Table 5.15 Interchange, Fortified Islands

Fortified Islands

Alberta		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
British Columbia	Sales to British Columbia	2 873	2 114	2 536	2 822	2 801	3 094	3 098	1 760	1 760	1 760
	Sales to Alberta	0	1 127	1 104	1 448	1 674	804	803	583	628	617
	Net Out-Flow	2 873	987	1 432	1 374	1 127	2 290	2 295	1 177	1 132	1 143
Saskatchewan	Sales to Saskatchewan	1 139	1 240	1 255	1 311	1 317	1 132	1 286	1 317	1 317	1 317
	Sales to Alberta	15	0	0	0	0	0	0	0	0	0
	Net Out-Flow	1 124	1 240	1 255	1 311	1 317	1 132	1 286	1 317	1 317	1 317
United States	Exports to United States	0	0	0	0	0	0	0	0	0	0
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	0	0	0	0	0	0	0	0	0	0
Total	Out	4 012	3 354	3 791	4 133	4 118	4 226	4 384	3 077	3 077	3 077
	In	15	1 127	1 104	1 448	1 674	804	803	583	628	617
	Net Out	3 997	2 227	2 687	2 685	2 444	3 422	3 581	2 494	2 449	2 460
British Columbia		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alberta	Sales to Alberta	0	1 127	1 104	1 448	1 674	804	803	583	628	617
	Sales to British Columbia	2 873	2 114	2 536	2 822	2 801	3 094	3 098	1 760	1 760	1 760
	Net Out-Flow	-2 873	-987	-1 432	-1 374	-1 127	-2 290	-2 295	-1 177	-1 132	-1 143
United States	Exports to United States	3 037	1 847	1 932	1 932	2 019	4 156	4 146	3 711	3 712	3 709
	Imports from United States	658	466	352	0	0	0	0	37	0	0
	Net Exports	2 379	1 381	1 580	1 932	2 019	4 156	4 146	3 674	3 712	3 709
Total	Out	3 037	2 974	3 036	3 380	3 693	4 960	4 949	4 294	4 340	4 326
	In	3 531	2 580	2 888	2 822	2 801	3 094	3 098	1 797	1 760	1 760
	Net Out	-494	394	148	558	892	1 866	1 851	2 497	2 580	2 566
Manitoba		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Saskatchewan	Sales to Saskatchewan	65	222	254	791	791	791	791	246	301	373
	Sales to Manitoba	2 423	2 300	2 297	1 170	1 294	61	61	61	61	35
	Net Out-Flow	-2 358	-2 078	-2 043	-379	-503	730	730	185	240	338
Ontario	Sales to Ontario Hydro	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
	Sales to Manitoba	1 756	1 486	1 159	1 357	1 270	1 013	767	1 247	1 194	1 181
	Net Out-Flow	878	1 148	1 475	1 277	1 364	1 621	1 867	1 387	1 440	1 453
United States	Exports to United States	11 395	10 208	9 895	8 735	8 875	7 837	7 617	10 304	10 357	10 431
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	11 395	10 208	9 895	8 735	8 875	7 837	7 617	10 304	10 357	10 431
Total	Out	14 094	13 064	12 783	12 160	12 300	11 262	11 042	13 184	13 292	13 438
	In	4 179	3 786	3 456	2 527	2 564	1 074	828	1 308	1 255	1 216
	Net Out	9 915	9 278	9 327	9 633	9 736	10 188	10 214	11 876	12 037	12 222

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 760	1 760	1 804	1 859	1 931	2 048	2 076	2 046	1 991	1 968	1 949	1 971	1 921	1 802	1 760	1 760
696	499	453	416	364	263	263	318	394	431	460	448	511	641	834	1 016
1 064	1 261	1 351	1 443	1 567	1 785	1 813	1 728	1 597	1 537	1 489	1 523	1 410	1 161	926	744
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 077	3 077	3 121	3 176	3 248	3 365	3 393	3 363	3 308	3 285	3 266	3 288	3 238	3 119	3 077	3 077
696	499	453	416	364	263	263	318	394	431	460	448	511	641	834	1 016
2 381	2 578	2 668	2 760	2 884	3 102	3 130	3 045	2 914	2 854	2 806	2 840	2 727	2 478	2 243	2 061

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
696	499	453	416	364	263	263	318	394	431	460	448	511	641	834	1 016
1 760	1 760	1 804	1 859	1 931	2 048	2 076	2 046	1 991	1 968	1 949	1 971	1 921	1 802	1 760	1 760
-1 064	-1 261	-1 351	-1 443	-1 567	-1 785	-1 813	-1 728	-1 597	-1 537	-1 489	-1 523	-1 410	-1 161	-926	-744
3 725	3 684	3 665	7 648	7 583	7 476	7 465	7 503	7 560	7 578	7 589	7 561	7 604	7 708	7 805	7 874
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 725	3 684	3 665	7 648	7 583	7 476	7 465	7 503	7 560	7 578	7 589	7 561	7 604	7 708	7 805	7 874
4 421	4 183	4 118	8 064	7 947	7 739	7 728	7 821	7 954	8 009	8 049	8 009	8 115	8 349	8 639	8 890
1 760	1 760	1 804	1 859	1 931	2 048	2 076	2 046	1 991	1 968	1 949	1 971	1 921	1 802	1 760	1 760
2 661	2 423	2 314	6 205	6 016	5 691	5 652	5 775	5 963	6 041	6 100	6 038	6 194	6 547	6 879	7 130

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
426	474	540	791	791	879	838	803	791	791	791	791	791	791	791	791
33	35	35	28	32	0	0	0	13	41	50	54	59	61	61	61
393	439	505	763	759	879	838	803	778	750	741	737	732	730	730	730
2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
1 105	1 105	1 105	578	545	640	670	596	833	1 055	1 120	1 054	1 256	1 174	1 091	1 152
1 529	1 529	1 529	2 056	2 089	1 994	1 964	2 038	1 801	1 579	1 514	1 580	1 378	1 460	1 543	1 482
10 397	10 476	10 606	13 296	13 639	13 720	23 721	24 001	24 513	25 018	25 348	25 514	25 973	26 195	26 416	26 757
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 397	10 476	10 606	13 296	13 639	13 720	23 721	24 001	24 513	25 018	25 348	25 514	25 973	26 195	26 416	26 757
13 457	13 584	13 780	16 721	17 064	17 233	27 193	27 438	27 938	28 443	28 773	28 939	29 398	29 620	29 841	30 182
1 138	1 140	1 140	606	577	640	670	596	846	1 096	1 170	1 108	1 315	1 235	1 152	1 213
12 319	12 444	12 640	16 115	16 487	16 593	26 523	26 842	27 092	27 347	27 603	27 831	28 083	28 385	28 689	28 969

New Brunswick		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Nova Scotia	Sales to Nova Scotia	284	105	105	252	177	252	252	252	252	242
	Sales to New Brunswick	42	125	161	81	99	83	93	39	39	57
	Net Out-Flow	242	-20	-56	171	78	169	159	213	213	185
Prince Edward Island	Sales to Prince Edward Island	1 087	1 131	1 086	975	931	903	864	826	816	766
	Sales to New Brunswick	0	0	0	0	0	0	0	0	0	0
	Net Out-Flow	1 087	1 131	1 086	975	931	903	864	826	816	766
Quebec	Sales to Hydro Quebec	6 498	8 023	7 162	5 225	1 369	1 568	1 951	1 279	1 254	1 353
	Sales to New Brunswick	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
	Net Out-Flow	-2 282	-757	-1 618	-3 555	-7 411	-7 212	-6 829	-7 501	-7 526	-7 427
United States	Exports to United States	3 731	3 740	3 728	3 583	2 626	6 146	6 146	6 146	6 146	6 146
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	3 731	3 740	3 728	3 583	2 626	6 146	6 146	6 146	6 146	6 146
Total	Out	11 600	12 999	12 081	10 035	5 103	8 869	9 213	8 503	8 468	8 507
	In	8 822	8 905	8 941	8 861	8 879	8 863	8 873	8 819	8 819	8 837
	Net Out	2 778	4 094	3 140	1 174	-3 776	6	340	-316	-351	-330

Newfoundland and Labrador		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Quebec	Sales to Hydro Quebec	32 312	32 329	32 305	32 302	32 312	32 318	32 339	32 319	32 296	32 302
	Sales to Labrador	16	28	63	66	44	36	18	20	45	70
	Net Out-Flow	32 296	32 301	32 242	32 236	32 268	32 282	32 321	32 299	32 251	32 232

Nova Scotia		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	42	125	161	81	99	83	93	39	39	57
	Sales to Nova Scotia	284	105	105	252	177	252	252	252	252	242
	Net Out-Flow	-242	20	56	-171	-78	-169	-159	-213	-213	-185

Ontario		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Manitoba	Sales to Manitoba	1 756	1 486	1 159	1 357	1 270	1 013	767	1 247	1 194	1 181
	Sales to Ontario Hydro	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
	Net Out-Flow	-878	-1 148	-1 475	-1 277	-1 364	-1 621	-1 867	-1 387	-1 440	-1 453
Quebec	Sales to Hydro Quebec	878	878	825	545	246	2 200	1 584	2 168	2 349	1 619
	Sales to Ontario Hydro	0	0	0	162	3 047	6 355	6 359	7 895	7 743	7 747
	Net Out-Flow	878	878	825	383	-2 801	-4 155	-4 775	-5 727	-5 394	-6 128
United States	Exports to United States	878	417	290	878	878	834	834	623	597	597
	Imports from United States	0	0	137	0	0	0	0	750	554	1 053
	Net Exports	878	417	153	878	878	834	834	-127	43	-456
Total	Out	3 512	2 781	2 274	2 780	2 394	4 047	3 185	4 038	4 140	3 397
	In	2 634	2 634	2 771	2 796	5 681	8 989	8 993	11 279	10 931	11 434
	Net Out	878	147	-497	-16	-3 287	-4 942	-5 808	-7 241	-6 791	-8 037

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
210	210	210	210	210	210	210	210	210	253	253	253	253	253	253	253
77	75	80	85	99	99	99	99	111	99	99	99	99	99	99	99
133	135	130	125	111	111	111	111	99	154	154	154	154	154	154	154
722	684	646	618	592	570	554	531	519	504	488	476	459	444	429	413
0	0	0	0	0	0	0	2	10	16	24	32	40	48	56	64
722	684	646	618	592	570	554	529	509	488	464	444	419	396	373	349
1 533	2 012	2 383	2 455	2 572	2 591	2 638	2 668	2 720	4 328	4 452	4 458	4 389	4 178	4 341	4 486
8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
-7 247	-6 768	-6 397	-6 325	-6 208	-6 189	-6 142	-6 112	-6 060	-4 452	-4 328	-4 322	-4 391	-4 602	-4 439	-4 294
6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146	6 146
8 611	9 052	9 385	9 429	9 520	9 517	9 548	9 555	9 595	11 231	11 339	11 333	11 247	11 021	11 169	11 298
8 857	8 855	8 860	8 865	8 879	8 879	8 879	8 881	8 901	8 895	8 903	8 911	8 919	8 927	8 935	8 943
-246	197	525	564	641	638	669	674	694	2 336	2 436	2 422	2 328	2 094	2 234	2 355
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
43 900	44 409	44 347	44 361	44 386	44 390	44 429	44 470	44 522	44 459	44 506	44 544	44 584	44 619	44 653	44 681
14	13	42	24	17	16	9	1	0	0	0	0	0	0	0	0
43 886	44 396	44 305	44 337	44 369	44 374	44 420	44 469	44 522	44 459	44 506	44 544	44 584	44 619	44 653	44 681
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
77	75	80	85	99	99	99	99	111	99	99	99	99	99	99	99
210	210	210	210	210	210	210	210	210	253	253	253	253	253	253	253
-133	-135	-130	-125	-111	-111	-111	-111	-99	-154	-154	-154	-154	-154	-154	-154
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 105	1 105	1 105	578	545	640	670	596	833	1 055	1 120	1 054	1 256	1 174	1 091	1 152
2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634	2 634
-1 529	-1 529	-1 529	-2 056	-2 089	-1 994	-1 964	-2 038	-1 801	-1 579	-1 514	-1 580	-1 378	-1 460	-1 543	-1 482
923	924	1 163	2 348	1 965	1 699	1 861	2 085	2 773	2 947	2 969	3 002	2 991	3 080	3 080	3 080
8 101	7 056	6 402	6 075	5 890	6 028	5 901	5 883	5 795	7 794	7 515	7 195	7 120	6 235	6 302	6 018
-7 178	-6 132	-5 239	-3 727	-3 925	-4 329	-4 040	-3 798	-3 022	-4 847	-4 546	-4 193	-4 129	-3 155	-3 222	-2 938
553	553	553	597	556	553	553	596	597	754	773	773	773	773	773	773
1 053	1 280	1 273	1 089	1 268	1 273	1 273	1 222	616	525	525	525	525	525	525	90
-500	-727	-720	-492	-712	-720	-720	-626	-19	229	248	248	248	248	248	683
2 581	2 582	2 821	3 523	3 066	2 892	3 084	3 277	4 203	4 756	4 862	4 829	5 020	5 027	4 944	5 005
11 788	10 970	10 309	9 798	9 792	9 935	9 808	9 739	9 045	10 953	10 674	10 354	10 279	9 394	9 461	8 742
-9 207	-8 388	-7 488	-6 275	-6 726	-7 043	-6 724	-6 462	-4 842	-6 197	-5 812	-5 525	-5 259	-4 367	-4 517	-3 737

Prince Edward Island		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	0	0	0	0	0	0	0	0	0	0
	Sales to Prince Edward Island	1 087	1 131	1 086	975	931	903	864	826	816	766
	Net Out-Flow	-1 087	-1 131	-1 086	-975	-931	-903	-864	-826	-816	-766
Quebec		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Brunswick	Sales to New Brunswick	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
	Sales to Hydro Quebec	6 498	8 023	7 162	5 225	1 369	1 568	1 951	1 279	1 254	1 353
	Net Out-Flow	2 282	757	1 618	3 555	7 411	7 212	6 829	7 501	7 526	7 427
Newfoundland and Labrador	Sales to Labrador	16	28	63	66	44	36	18	20	45	70
	Sales to Hydro Quebec	32 312	32 329	32 305	32 302	32 312	32 318	32 339	32 319	32 296	32 302
	Net Out-Flow	-32 296	-32 301	-32 242	-32 236	-32 268	-32 282	-32 321	-32 299	-32 251	-32 232
Ontario	Sales to Ontario Hydro	0	0	0	162	3 047	6 355	6 359	7 895	7 743	7 747
	Sales to Hydro Quebec	878	878	825	545	246	2 200	1 584	2 168	2 349	1 619
	Net Out-Flow	-878	-878	-825	-383	2 801	4 155	4 775	5 727	5 394	6 128
United States	Exports to United States	7 775	11 919	12 699	13 140	13 140	14 090	16 289	17 560	17 560	17 848
	Imports from United States	1 181	976	691	276	0	0	0	0	0	0
	Net Exports	6 594	10 943	12 008	12 864	13 140	14 090	16 289	17 560	17 560	17 848
Total	Out	16 571	20 727	21 542	22 148	25 011	29 261	31 446	34 255	34 128	34 445
	In	40 869	42 206	40 983	38 348	33 927	36 086	35 874	35 766	35 899	35 274
	Net Out	-24 298	-21 479	-19 441	-16 200	-8 916	-6 825	-4 428	-1 511	-1 771	-829
Saskatchewan		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Alberta	Sales to Alberta	15									
	Sales to Saskatchewan	1 139	1 240	1 255	1 311	1 317	1 132	1 286	1 317	1 317	1 317
	Net Out-Flow	-1 124	-1 240	-1 255	-1 311	-1 317	-1 132	-1 286	-1 317	-1 317	-1 317
Manitoba	Sales to Manitoba	2 423	2 300	2 297	1 170	1 294	61	61	61	61	35
	Sales to Saskatchewan	65	222	254	791	791	791	791	246	301	373
	Net Out-Flow	2 358	2 078	2 043	379	503	-730	-730	-185	-240	-338
United States	Exports to United States	892	945	983	1 317	1 317	1 317	1 317	1 317	1 317	1 317
	Imports from United States	0	0	0	0	0	0	0	0	0	0
	Net Exports	892	945	983	1 317	1 317	1 317	1 317	1 317	1 317	1 317
Total	Out	3 330	3 245	3 280	2 487	2 611	1 378	1 378	1 378	1 378	1 352
	In	1 204	1 462	1 509	2 102	2 108	1 923	2 077	1 563	1 618	1 690
	Net Out	2 126	1 783	1 771	385	503	-545	-699	-185	-240	-338
Canada Total		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	In-Flows	60 802	62 522	61 726	59 923	58 786	62 025	61 681	61 425	61 470	60 854
	Out-Flows	60 802	62 522	61 726	59 923	58 786	62 025	61 681	61 425	61 470	60 854
	Exports	27 708	29 493	29 817	30 465	29 733	35 214	37 183	40 285	40 287	40 578
	Imports	1 838	1 442	1 400	276	0	133	83	1 976	1 662	2 326
	Net Exports	25 870	28 051	28 417	30 189	29 733	35 081	37 100	38 309	38 625	38 252

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0	0	0	0	0	0	0	2	10	16	24	32	40	48	56	64
722	684	646	618	592	570	554	531	519	504	488	476	459	444	429	413
-722	-684	-646	-618	-592	-570	-554	-529	-509	-488	-464	-444	-419	-396	-373	-349
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780	8 780
1 533	2 012	2 383	2 455	2 572	2 591	2 638	2 668	2 720	4 328	4 452	4 458	4 389	4 178	4 341	4 486
7 247	6 768	6 397	6 325	6 208	6 189	6 142	6 112	6 060	4 452	4 328	4 322	4 391	4 602	4 439	4 294
14	13	42	24	17	16	9	1	0	0	0	0	0	0	0	0
43 900	44 409	44 347	44 361	44 386	44 390	44 429	44 470	44 522	44 459	44 506	44 544	44 584	44 619	44 653	44 681
-43 886	-44 396	-44 305	-44 337	-44 369	-44 374	-44 420	-44 469	-44 522	-44 459	-44 506	-44 544	-44 584	-44 619	-44 653	-44 681
8 101	7 056	6 402	6 075	5 890	6 028	5 901	5 883	5 795	7 794	7 515	7 195	7 120	6 235	6 302	6 018
923	924	1 163	2 348	1 965	1 699	1 861	2 085	2 773	2 947	2 969	3 002	2 991	3 080	3 080	3 080
7 178	6 132	5 239	3 727	3 925	4 329	4 040	3 798	3 022	4 847	4 546	4 193	4 129	3 155	3 222	2 938
29 275	33 131	35 261	38 065	38 483	38 265	40 565	43 874	48 085	50 615	53 207	54 902	57 567	62 053	65 610	69 043
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 275	33 131	35 261	38 065	38 483	38 265	40 565	43 874	48 085	50 615	53 207	54 902	57 567	62 053	65 610	69 043
46 170	48 980	50 485	52 944	53 170	53 089	55 255	58 538	62 660	67 189	69 502	70 877	73 467	77 068	80 692	83 841
46 356	47 345	47 893	49 164	48 923	48 680	48 928	49 223	50 015	51 734	51 927	52 004	51 964	51 877	52 074	52 247
-186	1 635	2 592	3 780	4 247	4 409	6 327	9 315	12 645	15 455	17 575	18 873	21 503	25 191	28 618	31 594

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317	1 317
-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317	-1 317
33	35	35	28	32	0	0	0	13	41	50	54	59	61	61	61
426	474	540	791	791	879	838	803	791	791	791	791	791	791	791	791
-393	-439	-505	-763	-759	-879	-838	-803	-778	-750	-741	-737	-732	-730	-730	-730
1 315	1 317	1 317	1 299	1 310	880	931	1 036	1 126	1 239	1 270	1 295	1 312	1 317	1 317	1 317
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 315	1 317	1 317	1 299	1 310	880	931	1 036	1 126	1 239	1 270	1 295	1 312	1 317	1 317	1 317
1 348	1 352	1 352	1 327	1 342	880	931	1 036	1 139	1 280	1 320	1 349	1 371	1 378	1 378	1 378
1 743	1 791	1 857	2 108	2 108	2 196	2 155	2 120	2 108	2 108	2 108	2 108	2 108	2 108	2 108	2 108
-395	-439	-505	-781	-766	-1 316	-1 224	-1 084	-969	-828	-788	-759	-737	-730	-730	-730

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
72 231	71 989	71 939	72 579	72 125	72 164	72 277	72 443	73 413	77 415	77 406	77 107	77 202	76 155	76 482	76 605
72 231	71 989	71 939	72 579	72 125	72 164	72 277	72 443	73 413	77 415	77 406	77 107	77 202	76 155	76 482	76 605
51 938	55 832	58 074	67 603	68 271	67 593	79 933	83 708	88 579	92 052	95 100	96 964	100 148	104 965	108 839	112 683
2 607	2 906	2 899	2 495	2 674	2 783	2 739	2 628	1 995	1 055	1 050	1 050	1 050	1 050	1 050	615
49 332	52 926	55 175	65 108	65 597	64 810	77 194	81 080	86 584	90 997	94 050	95 914	99 097	103 914	107 788	112 068

Appendix 6
Coal

Table A6.1: Canadian Coal Balances, Reference Case and Continuing Trends (kilotonnes (kT))

						Exports			Imports				Production		
	Thermal	End-use	Met	Met+EU	Domestic Demand	Thermal	Met	Total	Thermal	Met	Total	Net Exports	Thermal	Met	Total
1984	38 111	2 235	8 353	10 588	48 699	4 038	21 100	25 138	8 200	10 159	18 359	6 779	36 002	21 400	57 402
1985	37 893	2 540	8 232	10 773	48 666	4 878	22 500	27 378	11 500	3 120	14 620	12 758	36 554	24 300	60 854
1986	34 216	2 437	7 879	10 316	44 532	4 404	21 500	25 904	8 300	5 012	13 312	12 592	35 412	22 400	57 812
1987	39 485	2 468	8 188	10 655	50 140	4 341	22 400	26 741	6 900	7 445	14 345	12 396	38 611	22 600	61 211
1988	46 055	2 150	6 261	8 411	54 466	4 125	27 600	31 725	8 441	7 669	16 110	15 615	42 444	28 200	70 644
1989	45 839	2 038	5 918	7 956	53 795	4 227	28 600	32 827	8 392	7 348	15 740	17 087	42 429	28 100	70 529
1990	42 142	1 898	4 996	6 894	49 036	4 109	26 900	31 009	6 284	6 429	12 713	18 296	40 631	27 700	68 331
1991	43 826	1 441	4 906	6 347	50 173	5 312	28 800	34 112	7 413	5 886	13 299	20 813	42 038	29 100	71 138
1992	45 241	1 556	4 886	6 442	51 683	4 697	23 400	28 097	6 629	5 840	12 469	15 628	40 010	25 600	65 610
1993	42 726	1 588	4 665	6 253	48 979	4 813	23 500	28 313	4 256	5 589	9 845	18 468	41 027	28 000	69 027
1994	45 923	1 646	4 779	6 425	52 348	4 749	26 997	31 746	3 906	5 657	9 563	22 183	45 555	27 268	72 823
1995	46 807	1 905	4 193	6 098	52 905	4 948	29 045	33 993	5 215	4 520	9 735	24 258	45 861	29 055	74 916
1996	46 982	2 041	4 728	6 769	53 751	5 727	28 732	34 459	5 646	6 042	11 688	22 771	46 412	29 459	75 871
1997	49 565	2 227	4 490	6 717	56 282	6 411	30 071	36 482	8 022	6 129	14 151	22 331	48 028	30 659	78 687
1998	52 461	2 143	4 119	6 262	58 723	5 835	28 348	34 183	12 129	6 528	18 657	15 526	47 122	28 082	75 204
1999	52 041	2 127	4 360	6 487	58 528	4 875	28 665	33 540	16 103	3 656	19 759	13 781	40 927	31 496	72 423
2000	55 830	2 428	4 265	6 693	62 523	2 196	30 305	32 501	15 932	7 298	23 230	9 271	39 463	29 700	69 163
2001	55 540	2 266	4 255	6 521	62 061	2 782	26 914	29 696	15 443	3 987	19 430	10 266	40 908	29 448	70 356
2002	55 612	2 223	4 201	6 424	62 036	2 221	22 964	25 185	18 321	4 315	22 636	2 549	41 535	25 073	66 608
2003	55 213	2 388	4 174	6 562	61 775	1 389	23 716	25 105	19 422	3 294	22 716	2 389	35 179	26 984	62 163
2004	51 241	2 583	4 370	6 953	58 194	2 013	23 847	25 860	15 635	3 429	19 064	6 796	38 648	27 371	66 019
2005(e)	51 000	2 570	4 200	6 770	57 770	1 492	26 710	28 202	16 989	4 223	21 212	6 990	38 243	29 257	67 500
2006	47 841	2 775	4 263	7 039	54 880	1 510	27 031	28 540	15 905	4 286	20 191	8 349	33 446	29 783	63 229
2007	44 682	2 981	4 326	7 307	51 989	1 528	27 355	28 883	14 821	4 349	19 170	9 713	31 389	30 313	61 702
2008	44 592	3 004	4 437	7 442	52 033	1 546	27 683	29 230	15 416	4 460	19 876	9 354	30 722	30 665	61 387
2009	42 224	3 069	4 512	7 582	49 805	1 565	28 015	29 580	13 387	4 535	17 922	11 658	30 402	31 062	61 464
2010	39 974	3 130	4 610	7 740	47 714	1 584	28 352	29 935	10 666	4 633	15 300	14 636	30 891	31 459	62 350
2011	38 484	3 157	4 658	7 815	46 299	1 603	28 692	30 294	10 022	4 681	14 703	15 592	30 065	31 826	61 891
2012	36 171	3 191	4 676	7 867	44 038	1 622	29 036	30 658	8 964	4 699	13 663	16 995	28 829	32 204	61 033
2013	34 598	3 207	4 691	7 898	42 496	1 641	29 384	31 026	7 969	4 714	12 682	18 344	28 271	32 569	60 839
2014	33 759	3 212	4 686	7 898	41 657	1 661	29 737	31 398	7 658	4 709	12 367	19 031	27 762	32 926	60 688
2015	32 400	3 273	4 700	7 973	40 374	1 681	30 094	31 775	6 913	4 723	11 636	20 138	27 168	33 344	60 512
2016	30 987	3 350	4 794	8 144	39 131	1 698	30 395	32 093	5 369	4 817	10 186	21 907	27 315	33 722	61 037
2017	31 597	3 400	4 870	8 270	39 867	1 715	30 699	32 414	5 927	4 893	10 820	21 593	27 384	34 076	61 460
2018	30 886	3 425	4 879	8 304	39 190	1 732	31 006	32 738	5 700	4 902	10 602	22 136	26 918	34 408	61 326
2019	31 111	3 431	4 863	8 294	39 405	1 749	31 316	33 065	5 770	4 886	10 655	22 410	27 091	34 724	61 815
2020	30 522	3 451	4 841	8 292	38 813	1 767	31 629	33 396	5 760	4 864	10 623	22 773	26 529	35 057	61 586
2021	30 032	3 466	4 803	8 269	38 301	1 784	31 945	33 730	5 748	4 826	10 574	23 156	26 069	35 389	61 457
2022	29 403	3 489	4 788	8 277	37 680	1 802	32 265	34 067	5 737	4 811	10 548	23 519	25 468	35 731	61 199
2023	29 426	3 519	4 766	8 285	37 711	1 820	32 587	34 408	6 132	4 789	10 921	23 487	25 114	36 083	61 197
2024	28 714	3 548	4 736	8 284	36 998	1 839	32 913	34 752	5 817	4 759	10 576	24 175	24 735	36 438	61 173
2025	28 556	3 598	4 719	8 317	36 873	1 857	33 242	35 099	5 830	4 742	10 573	24 527	24 582	36 817	61 400
2026	28 322	3 644	4 710	8 354	36 676	1 872	33 508	35 380	5 831	4 733	10 564	24 816	24 363	37 129	61 492
2027	28 255	3 674	4 682	8 356	36 612	1 887	33 776	35 663	5 827	4 705	10 533	25 131	24 315	37 427	61 742
2028	27 992	3 687	4 636	8 323	36 315	1 902	34 047	35 948	5 854	4 659	10 513	25 435	24 040	37 710	61 750
2029	27 828	3 704	4 591	8 295	36 123	1 917	34 319	36 236	5 838	4 614	10 453	25 784	23 907	38 000	61 907
2030	27 533	3 732	4 533	8 265	35 798	1 932	34 594	36 526	5 828	4 556	10 384	26 142	23 637	38 303	61 940

Met - Metalurgical
EU - End Use
(e) - Estimate

Table A6.2: Canadian Coal Balances, Triple E (kilotonnes (kT))

					Domestic	Exports			Imports			Net	Production		
	Thermal	End-use	Met	Met+EU	Demand	Thermal	Met	Total	Thermal	Met	Total	Exports	Thermal	Met	Total
1984	38 111	2 235	8 353	10 588	48 699	4 038	21 100	25 138	8 200	10 159	18 359	6 779	36 002	21 400	57 402
1985	37 893	2 540	8 232	10 773	48 666	4 878	22 500	27 378	11 500	3 120	14 620	12 758	36 554	24 300	60 854
1986	34 216	2 437	7 879	10 316	44 532	4 404	21 500	25 904	8 300	5 012	13 312	12 592	35 412	22 400	57 812
1987	39 485	2 468	8 188	10 655	50 140	4 341	22 400	26 741	6 900	7 445	14 345	12 396	38 611	22 600	61 211
1988	46 055	2 150	6 261	8 411	54 466	4 125	27 600	31 725	8 441	7 669	16 110	15 615	42 444	28 200	70 644
1989	45 839	2 038	5 918	7 956	53 795	4 227	28 600	32 827	8 392	7 348	15 740	17 087	42 429	28 100	70 529
1990	42 142	1 898	4 996	6 894	49 036	4 109	26 900	31 009	6 284	6 429	12 713	18 296	40 631	27 700	68 331
1991	43 826	1 441	4 906	6 347	50 173	5 312	28 800	34 112	7 413	5 886	13 299	20 813	42 038	29 100	71 138
1992	45 241	1 556	4 886	6 442	51 683	4 697	23 400	28 097	6 629	5 840	12 469	15 628	40 010	25 600	65 610
1993	42 726	1 588	4 665	6 253	48 979	4 813	23 500	28 313	4 256	5 589	9 845	18 468	41 027	28 000	69 027
1994	45 923	1 646	4 779	6 425	52 348	4 749	26 997	31 746	3 906	5 657	9 563	22 183	45 555	27 268	72 823
1995	46 807	1 905	4 193	6 098	52 905	4 948	29 045	33 993	5 215	4 520	9 735	24 258	45 861	29 055	74 916
1996	46 982	2 041	4 728	6 769	53 751	5 727	28 732	34 459	5 646	6 042	11 688	22 771	46 412	29 459	75 871
1997	49 565	2 227	4 490	6 717	56 282	6 411	30 071	36 482	8 022	6 129	14 151	22 331	48 028	30 659	78 687
1998	52 461	2 143	4 119	6 262	58 723	5 835	28 348	34 183	12 129	6 528	18 657	15 526	47 122	28 082	75 204
1999	52 041	2 127	4 360	6 487	58 528	4 875	28 665	33 540	16 103	3 656	19 759	13 781	40 927	31 496	72 423
2000	55 830	2 428	4 265	6 693	62 523	2 196	30 305	32 501	15 932	7 298	23 230	9 271	39 463	29 700	69 163
2001	55 540	2 266	4 255	6 521	62 061	2 782	26 914	29 696	15 443	3 987	19 430	10 266	40 908	29 448	70 356
2002	55 612	2 223	4 201	6 424	62 036	2 221	22 964	25 185	18 321	4 315	22 636	2 549	41 535	25 073	66 608
2003	55 213	2 388	4 174	6 562	61 775	1 389	23 716	25 105	19 422	3 294	22 716	2 389	35 179	26 984	62 163
2004	51 241	2 583	4 370	6 953	58 194	2 013	23 847	25 860	15 635	3 429	19 064	6 796	38 648	27 371	66 019
2005(e)	51 000	2 570	4 200	6 770	57 770	1 492	26 710	28 202	16 989	4 223	21 212	6 990	38 243	29 257	67 500
2006	46 483	2 774	4 263	7 037	53 520	1 492	26 897	28 389	15 583	4 286	19 869	8 520	32 392	29 648	62 040
2007	41 966	2 978	4 326	7 304	49 271	1 492	27 085	28 577	14 178	4 349	18 527	10 050	29 281	30 040	59 321
2008	42 062	2 960	4 469	7 429	49 491	1 492	27 275	28 767	15 179	4 492	19 671	9 096	28 375	30 212	58 587
2009	39 091	3 015	4 709	7 724	46 815	1 492	27 466	28 958	12 786	4 732	17 518	11 440	27 797	30 458	58 255
2010	33 997	3 026	4 779	7 804	41 801	1 492	27 658	29 150	9 253	4 802	14 054	15 096	26 236	30 661	56 896
2011	32 319	2 989	4 698	7 687	40 006	1 492	27 852	29 344	8 554	4 721	13 274	16 070	25 258	30 818	56 076
2012	29 906	2 934	4 567	7 501	37 407	1 492	28 047	29 539	8 372	4 590	12 962	16 577	23 026	30 958	53 984
2013	28 083	2 906	4 500	7 406	35 489	1 492	28 243	29 735	7 679	4 523	12 202	17 533	21 896	31 126	53 022
2014	25 950	2 873	4 425	7 298	33 248	1 492	28 441	29 933	6 982	4 448	11 430	18 502	20 460	31 291	51 750
2015	21 834	2 856	4 326	7 183	29 017	1 492	28 640	30 132	5 801	4 349	10 150	19 982	17 525	31 473	48 998
2016	19 667	2 841	4 259	7 100	26 767	1 485	28 783	30 267	4 591	4 282	8 873	21 394	16 560	31 601	48 161
2017	18 241	2 801	4 145	6 946	25 187	1 477	28 927	30 404	4 209	4 168	8 377	22 027	15 509	31 705	47 214
2018	17 499	2 749	4 005	6 754	24 252	1 470	29 071	30 541	4 173	4 028	8 201	22 341	14 795	31 798	46 593
2019	15 081	2 712	3 888	6 600	21 681	1 462	29 217	30 679	3 270	3 911	7 180	23 499	13 274	31 906	45 180
2020	13 821	2 666	3 787	6 453	20 273	1 455	29 363	30 818	3 119	3 810	6 929	23 889	12 157	32 006	44 163
2021	13 203	2 623	3 689	6 313	19 515	1 448	29 510	30 958	3 081	3 712	6 794	24 164	11 569	32 110	43 679
2022	13 336	2 575	3 566	6 142	19 477	1 441	29 657	31 098	3 045	3 589	6 634	24 463	11 731	32 210	43 941
2023	11 769	2 533	3 436	5 970	17 739	1 433	29 806	31 239	2 768	3 459	6 227	25 011	10 434	32 316	42 750
2024	10 898	2 494	3 326	5 820	16 718	1 426	29 955	31 381	2 751	3 349	6 101	25 280	9 573	32 425	41 998
2025	10 207	2 447	3 233	5 680	15 887	1 419	30 104	31 523	2 735	3 256	5 991	25 532	8 891	32 529	41 419
2026	9 389	2 413	3 126	5 539	14 928	1 415	30 195	31 609	2 713	3 149	5 862	25 748	8 091	32 585	40 676
2027	8 758	2 374	3 003	5 376	14 135	1 411	30 285	31 696	2 704	3 026	5 730	25 966	7 465	32 636	40 101
2028	8 766	2 331	2 872	5 203	13 969	1 406	30 376	31 782	2 697	2 895	5 592	26 190	7 475	32 684	40 159
2029	8 035	2 292	2 736	5 028	13 063	1 402	30 467	31 869	2 693	2 759	5 452	26 417	6 744	32 736	39 480
2030	7 345	2 266	2 615	4 881	12 225	1 398	30 559	31 957	2 692	2 638	5 330	26 627	6 051	32 801	38 852

Met. - Metalurgical
EU - End Use
(e) - Estimate

Table A6.3: Canadian Coal Balances, Fortified Islands (kilotonnes (kT))

					Domestic	——— Exports ———			——— Imports ———			Net	——— Production ———		
	Thermal	End-use	Met	Met+EU	Demand	Thermal	Met	Total	Thermal	Met	Total	Exports	Thermal	Met	Total
1984	38 111	2 235	8 353	10 588	48 699	4 038	21 100	25 138	8 200	10 159	18 359	6 779	36 002	21 400	57 402
1985	37 893	2 540	8 232	10 773	48 666	4 878	22 500	27 378	11 500	3 120	14 620	12 758	36 554	24 300	60 854
1986	34 216	2 437	7 879	10 316	44 532	4 404	21 500	25 904	8 300	5 012	13 312	12 592	35 412	22 400	57 812
1987	39 485	2 468	8 188	10 655	50 140	4 341	22 400	26 741	6 900	7 445	14 345	12 396	38 611	22 600	61 211
1988	46 055	2 150	6 261	8 411	54 466	4 125	27 600	31 725	8 441	7 669	16 110	15 615	42 444	28 200	70 644
1989	45 839	2 038	5 918	7 956	53 795	4 227	28 600	32 827	8 392	7 348	15 740	17 087	42 429	28 100	70 529
1990	42 142	1 898	4 996	6 894	49 036	4 109	26 900	31 009	6 284	6 429	12 713	18 296	40 631	27 700	68 331
1991	43 826	1 441	4 906	6 347	50 173	5 312	28 800	34 112	7 413	5 886	13 299	20 813	42 038	29 100	71 138
1992	45 241	1 556	4 886	6 442	51 683	4 697	23 400	28 097	6 629	5 840	12 469	15 628	40 010	25 600	65 610
1993	42 726	1 588	4 665	6 253	48 979	4 813	23 500	28 313	4 256	5 589	9 845	18 468	41 027	28 000	69 027
1994	45 923	1 646	4 779	6 425	52 348	4 749	26 997	31 746	3 906	5 657	9 563	22 183	45 555	27 268	72 823
1995	46 807	1 905	4 193	6 098	52 905	4 948	29 045	33 993	5 215	4 520	9 735	24 258	45 861	29 055	74 916
1996	46 982	2 041	4 728	6 769	53 751	5 727	28 732	34 459	5 646	6 042	11 688	22 771	46 412	29 459	75 871
1997	49 565	2 227	4 490	6 717	56 282	6 411	30 071	36 482	8 022	6 129	14 151	22 331	48 028	30 659	78 687
1998	52 461	2 143	4 119	6 262	58 723	5 835	28 348	34 183	12 129	6 528	18 657	15 526	47 122	28 082	75 204
1999	52 041	2 127	4 360	6 487	58 528	4 875	28 665	33 540	16 103	3 656	19 759	13 781	40 927	31 496	72 423
2000	55 830	2 428	4 265	6 693	62 523	2 196	30 305	32 501	15 932	7 298	23 230	9 271	39 463	29 700	69 163
2001	55 540	2 266	4 255	6 521	62 061	2 782	26 914	29 696	15 443	3 987	19 430	10 266	40 908	29 448	70 356
2002	55 612	2 223	4 201	6 424	62 036	2 221	22 964	25 185	18 321	4 315	22 636	2 549	41 535	25 073	66 608
2003	55 213	2 388	4 174	6 562	61 775	1 389	23 716	25 105	19 422	3 294	22 716	2 389	35 179	26 984	62 163
2004	51 241	2 583	4 370	6 953	58 194	2 013	23 847	25 860	15 635	3 429	19 064	6 796	38 648	27 371	66 019
2005(e)	51 000	2 570	4 200	6 770	57 770	1 492	26 710	28 202	16 989	4 223	21 212	6 990	38 243	29 257	67 500
2006	47 636	2 739	4 219	6 959	54 595	1 502	26 897	28 399	15 866	4 242	20 109	8 291	33 272	29 613	62 886
2007	44 272	2 908	4 239	7 147	51 420	1 513	27 085	28 598	14 743	4 262	19 005	9 593	31 042	29 971	61 013
2008	42 686	2 872	4 325	7 197	49 884	1 524	27 275	28 798	14 841	4 348	19 188	9 610	29 369	30 124	59 494
2009	38 791	2 863	4 179	7 041	45 832	1 534	27 466	29 000	12 201	4 202	16 403	12 597	28 124	30 306	58 429
2010	34 753	2 848	4 085	6 933	41 686	1 545	27 658	29 203	9 425	4 108	13 533	15 670	26 873	30 483	57 356
2011	33 271	2 850	4 051	6 901	40 172	1 556	27 852	29 407	8 725	4 074	12 799	16 608	26 102	30 678	56 780
2012	31 755	2 854	4 028	6 882	38 638	1 567	28 047	29 613	8 535	4 051	12 586	17 027	24 787	30 878	55 664
2013	30 939	2 866	4 006	6 873	37 812	1 578	28 243	29 821	7 906	4 029	11 936	17 885	24 610	31 086	55 697
2014	29 871	2 863	3 926	6 788	36 659	1 589	28 441	30 029	7 265	3 949	11 214	18 816	24 194	31 280	55 475
2015	28 744	2 894	3 827	6 721	35 464	1 600	28 640	30 240	6 438	3 850	10 288	19 951	23 906	31 510	55 416
2016	27 250	2 918	3 742	6 660	33 910	1 608	28 783	30 391	5 468	3 765	9 233	21 158	23 390	31 678	55 068
2017	26 156	2 921	3 636	6 558	32 713	1 616	28 927	30 543	5 766	3 659	9 426	21 117	22 005	31 825	53 830
2018	25 299	2 925	3 519	6 444	31 743	1 624	29 071	30 695	5 748	3 542	9 291	21 405	21 175	31 973	53 148
2019	25 116	2 935	3 433	6 367	31 484	1 632	29 217	30 849	5 802	3 456	9 258	21 591	20 946	32 128	53 075
2020	24 500	2 972	3 341	6 313	30 814	1 640	29 363	31 003	5 801	3 364	9 165	21 838	20 340	32 312	52 652
2021	23 412	2 973	3 141	6 114	29 526	1 648	29 510	31 158	5 786	3 164	8 949	22 209	19 275	32 460	51 735
2022	22 788	2 960	2 870	5 830	28 618	1 657	29 657	31 314	5 765	2 893	8 658	22 656	18 680	32 594	51 274
2023	22 645	2 944	2 583	5 527	28 171	1 665	29 806	31 470	6 127	2 606	8 732	22 738	18 183	32 727	50 910
2024	21 555	2 951	2 341	5 292	26 847	1 673	29 955	31 628	5 785	2 364	8 149	23 479	17 444	32 882	50 326
2025	21 100	2 972	2 134	5 106	26 207	1 682	30 104	31 786	5 671	2 157	7 828	23 958	17 111	33 054	50 165
2026	20 478	2 991	1 896	4 887	25 365	1 687	30 195	31 881	5 651	1 919	7 569	24 312	16 514	33 163	49 677
2027	20 076	2 995	1 623	4 618	24 694	1 692	30 285	31 977	5 584	1 646	7 230	24 747	16 184	33 257	49 441
2028	19 490	2 991	1 358	4 349	23 839	1 697	30 376	32 073	5 746	1 381	7 127	24 946	15 441	33 344	48 786
2029	19 075	2 989	1 106	4 095	23 170	1 702	30 467	32 169	5 723	1 129	6 852	25 317	15 055	33 433	48 488
2030	18 467	2 999	831	3 830	22 297	1 707	30 559	32 266	5 707	854	6 561	25 704	14 467	33 535	48 002

Met - Metalurgical
EU - End Use
(e) - Estimate

Appendix 7
Greenhouse Gas Emissions

Table A7.1: GHG Emissions, Reference Case and Continuing Trends (megatonnes)

Canada	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**714**	**705**	**711**	**741**	**746**	**755**	**768**	**782**	**796**	**808**	**821**	**830**	**838**	**850**
Residential	45	42	43	45	43	45	46	47	48	49	50	51	51	52
Commercial	55	55	57	58	57	57	58	59	58	59	60	60	61	61
Industrial	285	279	286	299	310	313	322	329	338	347	355	363	371	380
Transportation	172	171	172	179	185	186	187	190	192	197	202	206	210	213
Electric Generation	126	127	122	128	120	121	122	124	125	123	119	116	109	108
Other[1]	30	31	31	31	32	32	33	33	33	34	34	35	35	36

Alberta	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**218**	**217**	**217**	**225**	**230**	**229**	**235**	**243**	**252**	**260**	**270**	**275**	**283**	**290**
Residential	8	7	8	8	8	9	9	9	9	10	10	10	10	10
Commercial	12	12	13	13	13	13	14	14	14	14	14	14	14	14
Industrial	119	117	115	123	127	122	129	135	144	149	155	160	167	174
Transportation	27	29	28	29	30	30	31	32	33	34	35	35	36	37
Electric Generation	49	50	50	49	49	53	50	49	49	50	53	52	51	51
Other[1]	3	3	3	3	3	3	3	3	3	3	3	3	3	3

British Columbia	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**63**	**62**	**60**	**64**	**66**	**67**	**69**	**69**	**69**	**70**	**72**	**72**	**73**	**74**
Residential	5	4	4	4	4	4	4	5	5	5	5	5	5	5
Commercial	6	6	7	6	6	6	6	6	6	6	6	6	6	6
Industrial	22	21	21	24	24	22	22	22	21	22	22	22	22	22
Transportation	23	22	23	24	25	26	27	27	28	28	29	30	30	31
Electric Generation	2	2	1	1	1	3	3	3	3	3	3	3	3	3
Other[1]	5	5	5	5	6	6	6	6	6	6	6	6	7	7

Manitoba	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**20**	**19**	**19**	**19**	**20**	**20**	**21**	**21**	**22**	**22**	**23**	**23**	**23**	**23**
Residential	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Commercial	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Industrial	8	7	8	8	8	8	9	9	9	9	9	10	10	10
Transportation	6	6	6	7	7	7	7	7	7	7	8	8	8	8
Electric Generation	1	0	0	0	0	0	0	0	0	0	1	1	1	1
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
862	**878**	**895**	**909**	**915**	**924**	**930**	**937**	**944**	**953**	**957**	**966**	**977**	**987**	**994**	**1002**	**1012**
52	53	54	54	55	55	55	55	56	56	56	56	56	57	57	57	57
62	63	64	65	66	66	67	68	68	69	70	71	72	73	74	75	76
389	400	411	418	423	428	433	437	442	446	451	457	463	468	472	477	482
215	220	224	229	231	234	236	239	241	244	246	248	251	254	256	258	260
108	105	104	104	102	102	98	97	96	95	91	90	90	90	89	89	88
36	37	38	38	39	40	40	41	42	42	43	44	45	45	46	47	48

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
298	**306**	**314**	**318**	**321**	**324**	**327**	**329**	**331**	**332**	**334**	**335**	**337**	**339**	**341**	**343**	**344**
10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
14	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16
181	188	193	196	199	201	204	206	208	209	211	212	213	214	216	217	218
37	38	39	40	40	41	41	42	42	42	43	43	44	44	44	45	45
51	51	52	52	52	53	52	51	50	50	49	49	49	49	49	49	49
3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
75	**76**	**77**	**78**	**79**	**79**	**80**	**81**	**82**	**83**	**84**	**85**	**86**	**87**	**88**	**89**	**90**
5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6
6	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8
22	22	23	23	23	23	23	23	24	24	24	25	25	26	26	26	27
31	32	32	33	33	34	34	34	35	35	36	36	36	37	37	37	38
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	9	9

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
24	**24**	**25**	**25**	**25**	**26**	**26**	**26**	**27**	**27**	**27**	**28**	**28**	**29**	**29**	**29**	**30**
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
10	10	10	11	11	11	11	11	12	12	12	12	13	13	13	13	14
8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2

New Brunswick	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**21**	**23**	**22**	**21**	**25**	**19**	**19**	**19**	**19**	**20**	**19**	**19**	**19**	**19**
Residential	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Commercial	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Industrial	4	5	5	5	5	3	3	3	3	3	3	3	3	3
Transportation	6	6	6	5	6	6	6	6	6	6	6	6	6	6
Electric Generation	8	10	8	7	11	7	7	7	7	8	7	7	6	6
Other[1]	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Newfoundland and Labrador	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**9**	**10**	**13**	**12**	**11**	**14**	**15**	**17**	**18**	**17**	**16**	**15**	**13**	**15**
Residential	1	1	1	1	0	1	1	1	1	1	1	1	1	1
Commercial	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Industrial	3	3	6	5	4	4	4	4	4	4	4	3	3	4
Transportation	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Electric Generation	1	2	2	2	1	5	5	6	8	7	6	5	4	5
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Northwest Territories	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**1**	**2**	**1**	**1**	**1**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	1	1	1	0	0	0	1	1	1	1	1	1	1	1
Electric Generation	0	0	0	0	0	1	1	1	1	1	1	1	1	1
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Nova Scotia	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**21**	**21**	**19**	**21**	**21**	**21**	**21**	**21**	**21**	**20**	**21**	**20**	**21**	**20**
Residential	2	2	2	2	1	2	2	2	2	2	2	2	2	2
Commercial	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Industrial	3	2	3	3	3	4	4	4	3	3	3	3	3	3
Transportation	6	6	6	6	6	6	6	6	7	7	7	7	7	7
Electric Generation	9	8	6	7	7	7	7	7	7	7	7	6	6	6
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Nunavut	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
19	**19**	**20**	**21**	**20**	**20**	**20**	**20**	**21**	**21**	**18**	**18**	**18**	**18**	**18**	**18**	**18**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5
6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7
6	6	7	7	6	6	6	6	6	6	3	3	3	3	3	3	3
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
15	**16**	**17**	**17**	**16**	**15**	**12**	**11**	**11**	**11**	**10**	**10**	**10**	**10**	**10**	**10**	**9**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	5	5	4	4	4	4	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	6	6	5	5	2	2	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2	**3**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**5**	**5**	**5**	**5**	**5**	**5**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
20	**20**	**20**	**20**	**20**	**21**	**21**	**21**	**21**	**21**	**21**	**21**	**21**	**21**	**22**	**22**	**22**
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ontario	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**203**	**196**	**201**	**210**	**204**	**209**	**210**	**213**	**218**	**219**	**220**	**223**	**223**	**224**
Residential	19	18	19	21	19	20	20	21	21	22	22	22	23	23
Commercial	19	19	18	19	18	18	18	19	19	19	19	19	20	20
Industrial	59	55	59	59	63	76	76	76	77	79	81	83	84	85
Transportation	58	57	58	59	61	61	60	60	61	63	64	66	67	68
Electric Generation	41	39	39	44	33	25	26	28	30	27	23	22	18	17
Other[1]	8	8	8	9	9	9	9	9	10	10	10	10	10	11

Prince Edward Island	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**3**	**3**	**3**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Transportation	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Quebec	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**91**	**90**	**92**	**98**	**97**	**102**	**103**	**104**	**105**	**107**	**109**	**110**	**112**	**113**
Residential	6	5	5	6	6	6	6	6	6	6	6	6	6	6
Commercial	7	7	8	9	8	8	8	8	8	8	9	9	9	9
Industrial	37	36	37	37	37	40	40	40	40	41	42	43	44	44
Transportation	32	32	33	34	35	35	36	36	36	37	38	39	40	40
Electric Generation	0	0	0	2	1	4	5	5	5	5	5	4	4	4
Other[1]	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Saskatchewan	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**62**	**62**	**63**	**66**	**69**	**69**	**70**	**70**	**68**	**68**	**67**	**66**	**65**	**65**
Residential	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Commercial	6	5	6	5	5	5	6	6	6	6	6	6	6	6
Industrial	30	31	31	33	36	34	35	35	35	34	34	34	34	33
Transportation	9	8	8	9	9	9	9	9	9	9	9	9	9	10
Electric Generation	15	15	15	16	17	17	17	17	16	16	14	14	13	13
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Yukon	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[1] 'Other' includes steam generation, solid waste, waste water and incineration

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
226	**229**	**231**	**236**	**239**	**243**	**246**	**249**	**252**	**255**	**257**	**260**	**264**	**268**	**271**	**274**	**277**
23	23	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25
20	20	21	21	22	22	22	23	23	23	24	24	25	25	26	26	26
86	88	90	93	94	95	97	98	99	100	102	103	105	106	108	109	110
69	71	73	74	76	77	78	78	79	80	81	82	83	84	85	86	87
17	15	12	12	11	12	12	12	12	13	12	12	12	12	12	12	12
11	11	11	12	12	12	12	13	13	13	14	14	14	15	15	15	16

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
114	**116**	**119**	**122**	**124**	**125**	**127**	**128**	**130**	**132**	**134**	**136**	**139**	**141**	**143**	**145**	**147**
6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7
9	9	9	10	10	10	10	10	11	11	11	11	11	11	12	12	12
44	45	47	48	49	49	50	51	52	53	54	55	57	59	60	61	62
41	42	42	43	44	44	45	45	46	46	47	47	48	48	48	49	49
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10	10	10	10	10	10	10	10	11	11	11	11	11	11	12	12	12

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
64	**63**	**63**	**64**	**63**	**64**	**63**	**63**	**63**	**63**	**63**	**63**	**63**	**64**	**64**	**64**	**65**
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	5	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5
33	33	33	33	33	33	34	34	34	34	34	34	35	35	35	36	36
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
13	12	12	13	12	12	11	11	11	10	10	10	10	10	10	10	9
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A7.2: GHG Emissions and Capture, Triple E (megatonnes)

Canada	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Net GHG Emissions	**714**	**705**	**711**	**741**	**746**	**746**	**759**	**770**	**770**	**770**	**767**	**765**	**752**	**751**
Residential	45	42	43	45	43	45	46	46	45	45	45	45	45	45
Commercial	55	55	57	58	57	57	58	58	56	56	55	54	52	52
Industrial	285	279	286	299	310	311	320	327	333	342	349	351	351	352
Transportation	172	171	172	179	185	185	186	187	183	182	180	180	179	180
Electric Generation	126	127	122	128	120	116	117	119	119	112	104	100	90	87
Other[1]	30	31	31	31	32	32	33	33	33	34	34	35	35	36
GHG Reductions														
Total GHG Emissions	714	705	711	741	746	748	761	772	772	772	769	768	760	763
GHG Capture	-	-	-	-	-	2	2	2	2	2	3	4	7	12
Total Net GHG Emissions	**714**	**705**	**711**	**741**	**746**	**746**	**759**	**770**	**770**	**770**	**767**	**765**	**752**	**751**

Alberta	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Net GHG Emissions	**218**	**217**	**217**	**225**	**230**	**224**	**233**	**240**	**244**	**250**	**256**	**257**	**256**	**253**
Residential	8	7	8	8	8	9	9	9	9	9	9	9	9	9
Commercial	12	12	13	13	13	13	14	14	13	13	13	13	13	12
Industrial	119	117	115	123	127	120	127	133	141	147	152	154	155	155
Transportation	27	29	28	29	30	30	31	32	31	31	31	31	31	31
Electric Generation	49	50	50	49	49	50	50	49	47	47	47	47	45	43
Other[1]	3	3	3	3	3	3	3	3	3	3	3	3	3	3
GHG Reductions														
Total GHG Emissions	218	217	217	225	230	226	235	242	246	252	258	260	260	263
GHG Capture	-	-	-	-	-	2	2	2	2	2	3	4	6	10
Total Net GHG Emissions	**218**	**217**	**217**	**225**	**230**	**224**	**233**	**240**	**244**	**250**	**256**	**257**	**256**	**253**

British Columbia	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**63**	**62**	**60**	**64**	**66**	**68**	**69**	**70**	**68**	**67**	**67**	**67**	**67**	**66**
Residential	5	4	4	4	4	4	4	4	4	4	4	4	4	4
Commercial	6	6	7	6	6	6	6	6	6	6	6	6	5	5
Industrial	22	21	21	24	24	22	22	21	21	21	22	22	21	21
Transportation	23	22	23	24	25	26	27	27	27	26	26	26	26	26
Electric Generation	2	2	1	1	1	4	4	4	3	3	3	3	3	3
Other[1]	5	5	5	5	6	6	6	6	6	6	6	6	7	7

Manitoba	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**20**	**19**	**19**	**19**	**20**	**20**	**21**	**21**	**21**	**21**	**21**	**21**	**21**	**21**
Residential	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Commercial	3	3	3	3	3	3	3	3	2	2	2	2	2	2
Industrial	8	7	8	8	8	8	9	9	9	9	9	9	9	10
Transportation	6	6	6	7	7	7	7	7	7	7	7	7	7	7
Electric Generation	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
749	**744**	**741**	**736**	**729**	**724**	**719**	**719**	**717**	**713**	**711**	**709**	**713**	**715**	**716**	**716**	**719**
44	44	44	44	44	44	44	43	43	43	42	42	41	41	41	41	40
51	51	51	51	50	50	50	50	50	51	52	52	53	53	54	54	55
353	354	353	350	346	344	342	342	342	342	342	343	346	348	349	349	351
180	181	182	183	184	185	186	186	187	187	187	187	187	188	188	188	189
84	77	73	70	67	63	58	57	55	50	46	44	42	41	40	39	38
36	37	37	38	38	39	39	40	41	41	42	43	43	44	45	45	46
763	760	759	756	750	744	741	741	742	739	737	738	741	743	744	743	746
14	16	18	20	21	20	22	22	24	26	26	28	28	28	28	27	27
749	**744**	**741**	**736**	**729**	**724**	**719**	**719**	**717**	**713**	**711**	**709**	**713**	**715**	**716**	**716**	**719**

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
252	**249**	**245**	**239**	**233**	**228**	**221**	**217**	**213**	**208**	**206**	**202**	**200**	**199**	**198**	**197**	**196**
8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7
12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11
155	154	151	146	142	139	134	131	129	128	127	125	124	124	123	122	122
31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30
42	40	39	38	37	36	34	33	31	27	26	24	23	22	22	21	21
3	3	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5
264	264	262	257	252	247	241	238	237	233	231	229	228	226	226	224	222
12	15	17	19	19	19	21	21	23	25	25	28	28	27	28	27	27
252	**249**	**245**	**239**	**233**	**228**	**221**	**217**	**213**	**208**	**206**	**202**	**200**	**199**	**198**	**197**	**196**

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
66	**66**	**67**	**67**	**67**	**67**	**68**	**68**	**69**	**69**	**70**	**70**	**71**	**71**	**72**	**72**	**73**
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6
21	21	21	21	21	21	21	21	21	22	22	22	22	23	23	23	23
26	26	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
21	**21**	**21**	**22**	**22**	**22**	**22**	**22**	**23**	**23**	**23**	**23**	**24**	**24**	**24**	**25**	**25**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	13
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2

New Brunswick	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**21**	**23**	**22**	**21**	**25**	**16**	**17**	**16**	**17**	**17**	**18**	**17**	**16**	**16**
Residential	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Commercial	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Industrial	4	5	5	5	5	3	3	3	3	3	3	3	3	3
Transportation	6	6	6	5	6	6	6	6	5	5	5	5	5	5
Electric Generation	8	10	8	7	11	5	5	5	6	6	6	6	5	5
Other[1]	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Newfoundland and Labrador	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**9**	**10**	**13**	**12**	**11**	**15**	**16**	**17**	**17**	**16**	**14**	**12**	**11**	**12**
Residential	1	1	1	1	0	1	1	1	1	1	1	1	1	1
Commercial	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Industrial	3	3	6	5	4	4	4	4	4	4	3	3	3	3
Transportation	4	4	4	4	4	4	4	4	4	4	4	3	3	3
Electric Generation	1	2	2	2	1	6	6	7	7	6	5	4	3	3
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Northwest Territories	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**1**	**2**	**1**	**1**	**1**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	1	1	1	0	0	0	1	1	1	1	1	1	1	1
Electric Generation	0	0	0	0	0	1	1	1	1	1	1	1	1	1
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Nova Scotia	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**21**	**21**	**19**	**21**	**21**	**20**	**21**	**21**	**20**	**19**	**19**	**19**	**18**	**18**
Residential	2	2	2	2	1	2	2	2	2	2	2	2	2	2
Commercial	1	1	1	1	2	2	1	1	1	1	1	1	1	1
Industrial	3	2	3	3	3	4	4	4	3	3	3	3	3	3
Transportation	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Electric Generation	9	8	6	7	7	7	7	7	7	6	6	6	6	6
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Nunavut	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
16	**16**	**16**	**17**	**17**	**16**	**17**	**17**	**16**	**16**	**14**	**14**	**14**	**14**	**14**	**14**	**13**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	5	5	5	5	5	5	5	5	5	2	2	2	2	2	2	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
12	**12**	**11**	**11**	**10**	**10**	**8**	**8**	**8**	**8**	**7**	**7**	**7**	**7**	**7**	**7**	**7**
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
18	**17**	**17**	**16**	**16**	**14**	**13**	**13**	**13**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6	5	5	4	4	1	1	1	1	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ontario

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**203**	**196**	**201**	**210**	**204**	**208**	**206**	**209**	**209**	**207**	**203**	**202**	**200**	**201**
Residential	19	18	19	21	19	20	20	20	20	20	20	20	20	20
Commercial	19	19	18	19	18	18	18	18	18	18	17	17	17	17
Industrial	59	55	59	59	63	76	76	76	76	78	80	80	80	81
Transportation	58	57	58	59	61	60	59	59	58	57	57	57	57	58
Electric Generation	41	39	39	44	33	25	24	26	28	24	18	17	15	14
Other[1]	8	8	8	9	9	9	9	9	10	10	10	10	10	10

Prince Edward Island

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Transportation	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Quebec

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**91**	**90**	**92**	**98**	**97**	**102**	**103**	**103**	**102**	**102**	**102**	**102**	**101**	**102**
Residential	6	5	5	6	6	6	6	6	6	6	5	5	5	5
Commercial	7	7	8	9	8	8	8	8	8	8	8	8	8	7
Industrial	37	36	37	37	37	40	40	40	40	41	41	42	42	42
Transportation	32	32	33	34	35	35	35	35	35	34	34	34	34	34
Electric Generation	0	0	0	2	1	5	5	5	5	4	4	4	4	4
Other[1]	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Saskatchewan

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Net GHG Emissions	**62**	**62**	**63**	**66**	**69**	**66**	**68**	**68**	**67**	**66**	**64**	**62**	**58**	**57**
Residential	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Commercial	6	5	6	5	5	5	6	6	5	5	5	5	5	5
Industrial	30	31	31	33	36	34	35	36	35	35	35	34	34	33
Transportation	9	8	8	9	9	9	9	9	9	9	9	9	8	8
Electric Generation	15	15	15	16	17	15	15	15	14	15	12	12	8	8
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GHG Reductions														
Total GHG Emissions	62	62	63	66	69	66	68	68	67	66	64	62	60	58
GHG Capture	-	-	-	-	-	0	0	0	0	0	0	0	2	2
Total Net GHG Emissions	**62**	**62**	**63**	**66**	**69**	**66**	**68**	**68**	**67**	**66**	**64**	**62**	**58**	**57**

Yukon

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[1] 'Other' includes steam generation, solid waste, waste water and incineration

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
201	**201**	**202**	**204**	**204**	**206**	**209**	**211**	**212**	**212**	**213**	**215**	**217**	**218**	**218**	**218**	**219**
20	20	20	20	20	20	20	20	20	20	20	20	20	19	19	19	19
17	17	17	17	17	17	17	17	17	18	18	18	19	19	19	19	20
82	83	85	86	86	87	89	90	90	91	91	93	94	94	95	95	95
58	59	60	61	61	62	63	63	63	64	64	64	64	64	64	64	65
13	11	9	9	8	8	8	8	8	7	7	7	7	7	6	6	6
11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	15	15

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2	**2**	**2**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
102	**104**	**105**	**106**	**107**	**108**	**110**	**111**	**112**	**113**	**114**	**115**	**117**	**119**	**120**	**121**	**122**
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9
43	44	45	46	46	47	48	49	50	51	52	53	54	56	56	57	58
33	34	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	12

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
55	**52**	**51**	**50**	**48**	**48**	**47**	**46**	**46**	**46**	**45**	**45**	**45**	**46**	**45**	**45**	**46**
2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
32	32	31	31	30	30	29	29	29	29	29	29	29	29	29	29	29
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
7	5	4	4	3	3	3	3	3	3	3	3	3	2	2	2	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
57	54	52	51	50	49	48	47	47	46	46	46	46	46	46	46	46
2	2	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0
55	**52**	**51**	**50**	**48**	**48**	**47**	**46**	**46**	**46**	**45**	**45**	**45**	**46**	**45**	**45**	**46**

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A7.3: GHG Emissions, Fortified Islands (megatonnes)

Canada	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**
Total GHG Emissions	**714**	**705**	**711**	**741**	**746**	**756**	**769**	**781**	**781**	**776**	**771**	**777**	**779**	**794**
Residential	45	42	43	45	43	45	46	47	47	47	47	47	47	47
Commercial	55	55	57	58	57	57	58	59	57	57	56	56	56	56
Industrial	285	279	286	299	310	313	322	328	335	339	342	350	355	368
Transportation	172	171	172	179	185	186	187	190	187	186	185	186	188	189
Electric Generation	126	127	122	128	120	123	123	124	121	113	106	103	98	98
Other[1]	30	31	31	31	32	32	33	33	33	34	34	34	35	35

Alberta	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**
Total GHG Emissions	**218**	**217**	**217**	**226**	**230**	**229**	**236**	**243**	**249**	**254**	**259**	**267**	**270**	**282**
Residential	8	7	8	8	8	9	9	9	9	9	9	9	9	9
Commercial	12	12	13	13	13	13	14	14	14	14	14	14	14	14
Industrial	119	117	115	123	127	122	129	135	144	149	154	160	165	176
Transportation	27	29	28	29	30	30	31	32	32	32	32	33	33	34
Electric Generation	49	50	50	49	49	53	50	49	48	47	48	47	45	46
Other[1]	3	3	3	3	3	3	3	3	3	3	3	3	3	3

British Columbia	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**
Total GHG Emissions	**63**	**62**	**60**	**64**	**66**	**67**	**68**	**69**	**68**	**68**	**68**	**68**	**69**	**69**
Residential	5	4	4	4	4	4	4	4	4	4	4	4	5	5
Commercial	6	6	7	6	6	6	6	6	6	6	6	6	6	6
Industrial	22	21	21	24	24	22	22	21	21	21	21	21	21	21
Transportation	23	22	23	24	25	26	27	27	27	27	27	27	28	28
Electric Generation	2	2	1	1	1	3	3	3	3	3	3	3	3	3
Other[1]	5	5	5	5	6	6	6	6	6	6	6	6	6	7

Manitoba	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**
Total GHG Emissions	**20**	**19**	**19**	**19**	**20**	**20**	**21**	**21**	**21**	**21**	**21**	**21**	**21**	**21**
Residential	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Commercial	3	3	3	3	3	3	3	3	3	3	2	2	2	2
Industrial	8	7	8	8	8	8	9	9	9	9	9	9	9	9
Transportation	6	6	6	7	7	7	7	7	7	7	7	7	7	7
Electric Generation	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
802	**817**	**824**	**830**	**835**	**843**	**851**	**855**	**855**	**857**	**855**	**857**	**860**	**862**	**863**	**864**	**866**
47	47	47	48	48	48	48	48	48	48	48	48	48	48	48	47	47
56	57	57	57	58	58	59	59	58	59	59	59	59	59	60	60	61
377	389	396	401	405	410	418	422	423	424	425	427	429	430	430	430	432
190	192	194	196	198	200	202	204	205	207	208	209	211	213	214	215	217
97	96	93	91	89	89	85	83	82	80	75	73	72	70	68	67	66
36	36	37	37	38	38	39	39	40	40	41	41	42	42	43	43	44

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
291	**303**	**310**	**313**	**318**	**322**	**328**	**331**	**332**	**335**	**336**	**337**	**337**	**338**	**339**	**339**	**340**
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	14	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16
185	194	200	204	208	211	216	219	222	224	225	226	226	227	227	228	229
34	35	36	36	37	38	38	39	39	40	41	41	42	42	43	43	44
46	46	46	45	44	44	44	43	42	41	40	40	39	39	38	37	37
3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
70	**70**	**71**	**72**	**72**	**73**	**73**	**74**	**75**	**75**	**76**	**77**	**78**	**79**	**80**	**81**	**81**
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7
21	21	21	21	21	21	21	21	21	22	22	22	23	23	23	23	24
28	29	29	30	30	30	31	31	32	32	33	33	33	34	34	34	35
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
21	**22**	**22**	**22**	**22**	**22**	**22**	**23**	**23**	**23**	**23**	**23**	**24**	**24**	**24**	**24**	**24**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	9	10	10	10	10	10	10	10	10	11	11	11	11	11	11	12
7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2

New Brunswick	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**21**	**23**	**22**	**21**	**25**	**19**	**20**	**20**	**19**	**17**	**18**	**17**	**17**	**17**
Residential	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Commercial	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Industrial	4	5	5	5	5	3	3	3	3	3	3	3	3	3
Transportation	6	6	6	5	6	6	6	6	5	5	5	5	5	5
Electric Generation	8	10	8	7	11	7	8	8	7	6	6	6	5	5
Other[1]	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Newfoundland and Labrador	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**9**	**10**	**13**	**12**	**11**	**15**	**16**	**18**	**18**	**17**	**17**	**15**	**15**	**16**
Residential	1	1	1	1	0	1	1	1	1	1	1	1	1	1
Commercial	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Industrial	3	3	6	5	4	4	4	4	4	4	4	4	4	4
Transportation	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Electric Generation	1	2	2	2	1	6	7	7	7	7	7	6	5	6
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Northwest Territories	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**1**	**2**	**1**	**1**	**1**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	1	1	1	0	0	0	1	1	1	1	1	1	1	1
Electric Generation	0	0	0	0	0	1	1	1	1	1	1	1	1	1
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Nova Scotia	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**21**	**21**	**19**	**21**	**21**	**21**	**21**	**21**	**20**	**20**	**20**	**19**	**19**	**19**
Residential	2	2	2	2	1	2	2	2	2	2	2	2	2	2
Commercial	1	1	1	1	2	2	2	2	1	1	1	1	1	1
Industrial	3	2	3	3	3	4	4	4	3	3	3	3	3	3
Transportation	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Electric Generation	9	8	6	7	7	7	7	7	6	6	6	6	6	6
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Nunavut	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
17	**17**	**17**	**18**	**18**	**18**	**18**	**18**	**18**	**18**	**15**	**15**	**15**	**15**	**15**	**15**	**15**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
5	5	5	6	6	6	6	6	6	6	3	3	3	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
17	**18**	**18**	**20**	**19**	**19**	**16**	**15**	**14**	**13**	**12**	**11**	**10**	**10**	**9**	**9**	**9**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5	5	5	6	6	6	6	5	5	5	4	4	4	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	7	7	7	7	7	4	4	3	3	2	2	1	1	1	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2	**3**	**3**	**3**	**3**	**3**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**6**	**6**	**6**	**6**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
19	**19**	**19**	**19**	**19**	**19**	**20**	**20**	**20**	**21**	**21**	**21**	**21**	**21**	**21**	**21**	**21**
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5
6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ontario	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**203**	**196**	**201**	**210**	**204**	**209**	**210**	**212**	**212**	**206**	**200**	**199**	**199**	**199**
Residential	19	18	19	21	19	20	20	21	21	21	21	21	21	21
Commercial	19	19	18	19	18	18	18	19	18	18	18	18	18	18
Industrial	59	55	59	59	63	76	76	76	76	75	75	75	76	77
Transportation	58	57	58	59	61	61	60	60	59	59	58	58	59	59
Electric Generation	41	39	39	44	33	25	26	28	29	24	18	17	16	15
Other[1]	8	8	8	9	9	9	9	9	10	10	10	10	10	10

Prince Edward Island	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Transportation	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Quebec	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**91**	**90**	**92**	**98**	**97**	**102**	**103**	**103**	**102**	**102**	**100**	**101**	**101**	**102**
Residential	6	5	5	6	6	6	6	6	6	6	6	6	6	6
Commercial	7	7	8	9	8	8	8	8	8	8	8	8	8	8
Industrial	37	36	37	37	37	40	40	40	40	39	39	39	40	40
Transportation	32	32	33	34	35	35	36	36	35	35	35	35	35	35
Electric Generation	0	0	0	2	1	4	5	5	5	4	4	4	4	4
Other[1]	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Saskatchewan	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**62**	**62**	**63**	**66**	**69**	**68**	**69**	**70**	**67**	**66**	**64**	**63**	**63**	**62**
Residential	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Commercial	6	5	6	5	5	5	6	6	5	5	5	5	5	5
Industrial	30	31	31	33	36	34	35	35	35	34	34	34	33	33
Transportation	9	8	8	9	9	9	9	9	9	9	9	9	9	9
Electric Generation	15	15	15	16	17	17	17	17	15	14	13	13	12	12
Other[1]	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Yukon	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total GHG Emissions	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electric Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[1]	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[1] 'Other' includes steam generation, solid waste, waste water and incineration

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
198	**197**	**195**	**196**	**196**	**197**	**198**	**198**	**197**	**196**	**195**	**195**	**195**	**194**	**193**	**192**	**191**
21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20
18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19
76	77	77	77	77	77	77	77	76	74	73	73	72	71	70	69	68
59	59	60	60	60	61	61	62	62	62	63	63	63	64	64	64	64
14	12	10	9	9	9	9	9	9	9	8	8	8	8	7	7	7
10	11	11	11	11	11	11	12	12	12	12	12	12	13	13	13	13

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2	**2**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
102	**103**	**104**	**104**	**105**	**106**	**107**	**108**	**108**	**108**	**108**	**109**	**111**	**112**	**112**	**113**	**114**
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
41	41	41	41	42	42	43	43	43	43	43	44	45	45	46	46	47
35	35	36	36	36	36	37	37	37	37	37	38	38	38	38	38	38
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
9	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
61	**61**	**61**	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33	33	33	33	33	34	34	35	35	35	35	35	36	36	36	37	37
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
12	11	11	11	10	10	9	9	8	8	8	7	7	7	7	6	6
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0